

YESC

YESC KAIZEN

YAZAKI
ENGINEERING
STANDARD
CONNECTORS

CLICK ON YOUR SELECTION:

YESC (SEALED AND UNSEALED)
YESC KAIZEN (NEW UNSEALED)
NAVIGATION TIPS



YESCYAZAKI
ENGINEERING
STANDARD
CONNECTORS**GO****YESC KAIZEN**

NAVIGATION TIPS

There are primarily three ways to navigate the interactive Yazaki Connector Catalog.

- 1. SEARCH FUNCTION** — *Navigate By Part Number Or Keyword*
- 2. DOCUMENT LINKS** — *Navigate To Catalog Menus*
- 3. PAGE-ADVANCE BUTTONS** — *Navigate Page-By-Page*

1. SEARCH FUNCTION *Navigate By Part Number Or Keyword*

Click the SEARCH button  on the PDF's top bar.

On-the-right side of the screen, enter any part number, or keyword, into the data field. Click SEARCH. Results are displayed in the window directly below the field.

Click on any result and the corresponding page will be displayed.

NOTE: You can also jump to specific pages by clicking the left-side **BOOKMARKS** tab. Click any of the bookmarks listed and it's corresponding page will be displayed.

2. DOCUMENT LINKS

Navigate To Catalog Menus

Links located on each PDF page can help you quickly jump to areas of interest. At the top of page one, for example, are links that allow you to immediately access either of the catalog's two major **CONTENT MENU**'s.

From the **CONTENT MENU** you can link to any connector **SERIES MENU**.

The connector **SERIES MENU** offers a variety of links to data about that particular series of connectors.

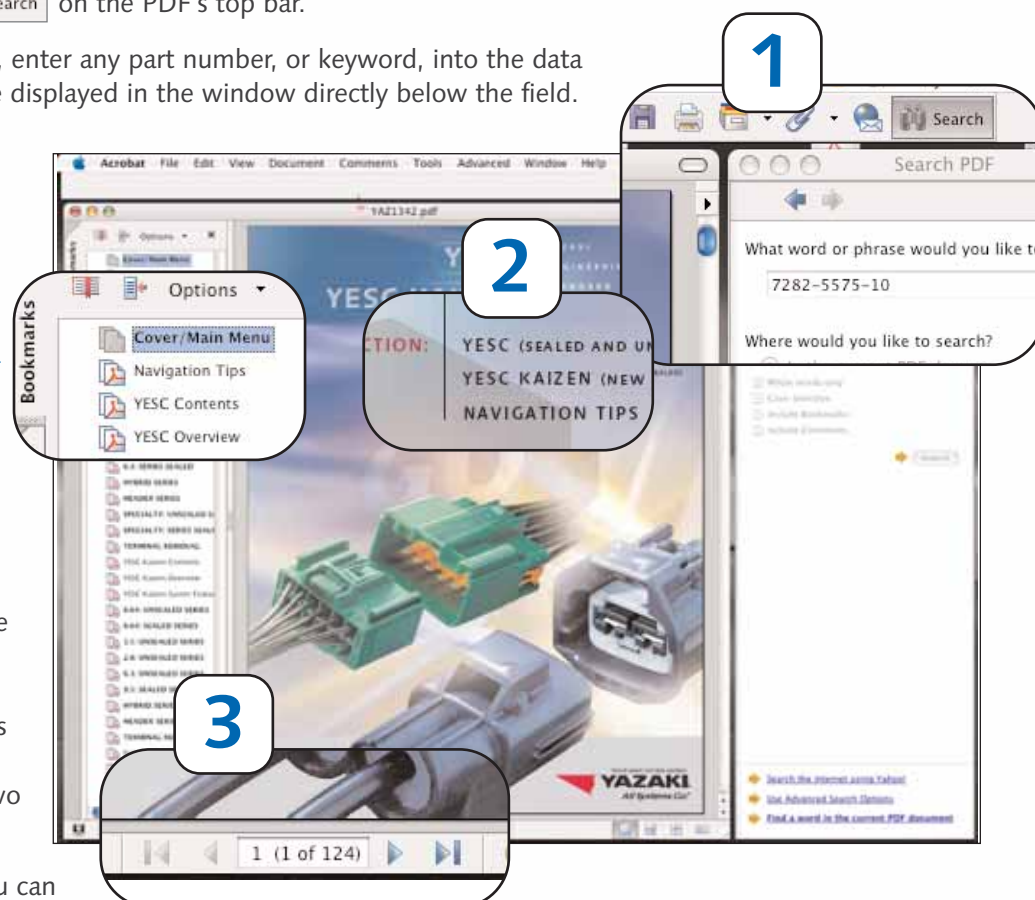
RETURN to an earlier menu at any time by clicking the link at the top of any page.

3. PAGE-ADVANCE BUTTONS

Navigate Page-By-Page

Click on either arrow at the bottom of the PDF window. This will allow you to view the catalog page-by-page.

To jump to the first or last page of the catalog, click on the respective outside arrow.



YESC

CONNECTORS

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CLICK ON YOUR SELECTION:

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AVAILABLE IN THE YESC KAIZEN
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1.5 x 0.8 UNSEALED

1.5 x 0.8 SEALED

1.5 SERIES

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YAZAKI LOCATIONS

DISCLAIMER

THE YAZAKI CONNECTION

Yazaki's YESC Series has evolved from decades of intensive design refinement. As the world's largest supplier of vehicle power and data networks and associated components, Yazaki is uniquely qualified to deliver leading-edge connector solutions. The company continues to provide these innovative systems to automotive customers around the world, for vehicles of virtually every description.

The YESC Series represents an important connector resource, delivering enhanced network performance in a broad range of applications. Standards, hybrids, custom designs; sealed or unsealed – Yazaki has the connector system to meet your requirements.

Y A Z A K I E N G I N E E R I N G S T A N D A R D

YAZAKI

ALL SYSTEMS GO!™

Yazaki is a premier provider of innovative, robust power and data networks that are flexible, easily configurable and cost competitive. Our global reach, along with our collaborative approach and in-depth vehicle-launch support, give Yazaki customers an unprecedented resource for their power and data system needs.



Yazaki products, manufactured in plants on six continents, help power one out of every three passenger vehicles on the road, worldwide. That translates into more than 18 million connectors and 110 million terminals every day. Our leadership position reflects a commitment to excellence that has made Yazaki the industry's most innovative provider of power and data system components.

From our three design centers in North America, Japan and Europe, Yazaki advances the evolution of these critical automotive components, providing connectivity solutions that contribute to greater customer satisfaction. Our design centers apply specialized engineering expertise to the specific needs of vehicle manufacturers and their tier-supply partners. The result: Yazaki's global customers are assured of vehicle power and data solutions that deliver highly effective solutions to real-world challenges.



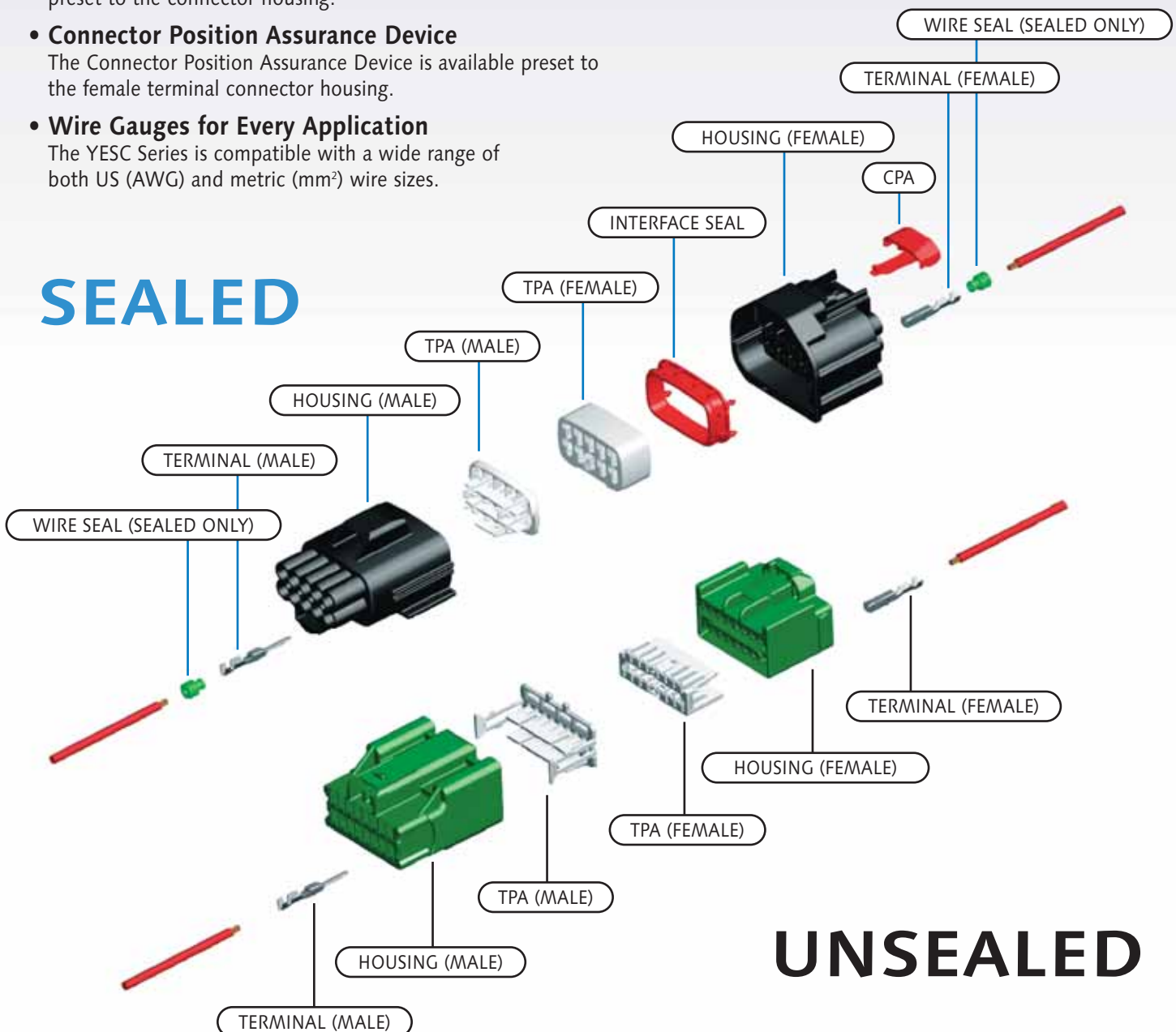
Our benchmark product quality – in connector systems, wire harnesses, electronics, and IP displays – delivers exceptional value and marketplace strength to our customers.



SYSTEM FEATURES

- **Wide Range of Advanced Connectors Available Immediately**
The YESC Series includes a full range of connector systems in stock – and available for immediate delivery worldwide – for virtually any vehicle application.
- **USCAR / ISO Standard Compliant**
Terminal blade sizes are in accordance with USCAR and ISO standards (0.64 x 0.64, 1.5 x 0.8, 2.8 x 0.8, 6.3 x 0.8).
- **Terminal Position Assurance Device**
Yazaki's Terminal Position Assurance Device is available front-loaded and preset to the connector housing.
- **Connector Position Assurance Device**
The Connector Position Assurance Device is available preset to the female terminal connector housing.
- **Wire Gauges for Every Application**
The YESC Series is compatible with a wide range of both US (AWG) and metric (mm²) wire sizes.

SEALED



UNSEALED

YESC

CONNECTORS

0.64

SERIES

UNSEALED

0.64 SERIES
UNSEALED

CLICK ON YOUR SELECTION:

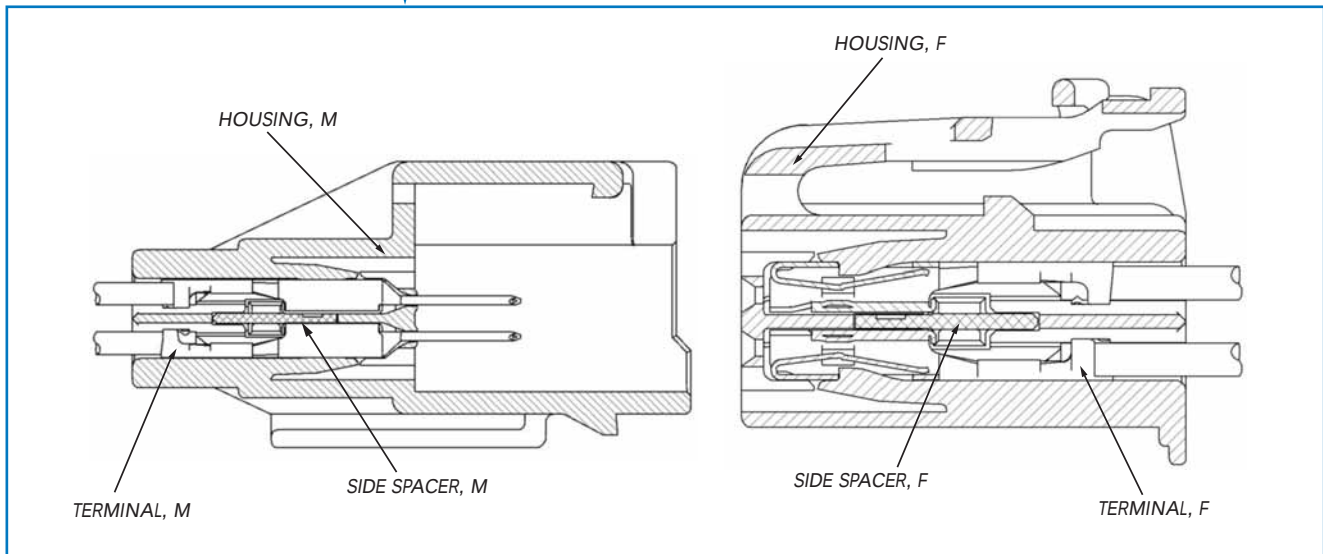
- CONSTRUCTION
- SPECIFICATIONS
- CURRENT RATING CURVE
- TERMINAL
- RETAINER CLIP/BRACKET DIMENSIONS
- PART NUMBER SUMMARY CHART
- PHOTOS/DIMENSIONS
- NAVIGATION TIPS



0.64 x 0.8

unsealed connection system

Construction

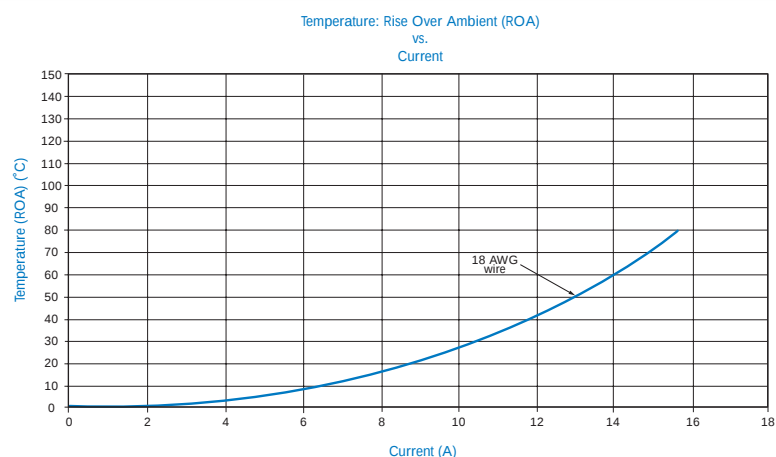


Specifications

Material	Connector	PBT + GF
	Male Terminal	Copper Alloy (Sn/Au Plate)
	Female Terminal	Copper Alloy (Sn/Au Plate)
Operating Temperature Range		-40 °C ~ 100 °C (120 °C max temp.) (USCAR Class II)
Current Capacity		(See Chart)
Voltage Drop		20mΩ Max (Term./Term.) (Crimp-To-Crimp)
Isolation Resistance		500VDC, 20MΩ Min
Dielectric Resistance		1000VAC (1 min.)
Applicable Wire Size		22AWG ~ 18AWG (0.22mm ² ~ 0.76mm ²)
Terminal Pitch		Horizontal: 2.54mm; Vertical: 2.54mm
Terminal-to-Connector Retention Force		75N Min
Connector-to-Connector Retention Force		110N Min

Current Rating Curve (Reference Only)

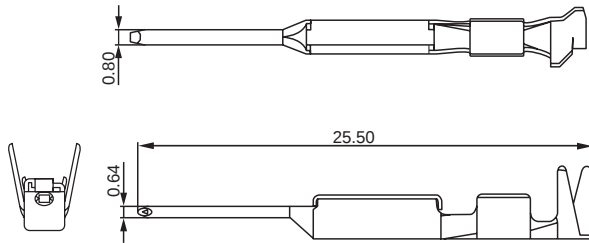
This data is based on single circuit/connector evaluation. Data should be used as reference only. Appropriate derating should be considered based upon specific application requirements.



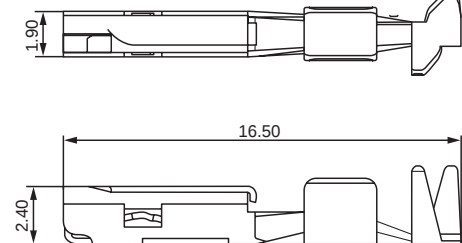
unsealed connection system

0.64 x 0.8**Terminal**

UNIT: mm

Male Terminal

Material: Copper Alloy

Thickness: $t=0.3$ *Female Terminal*

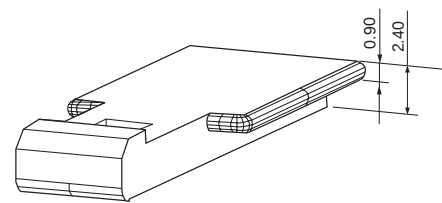
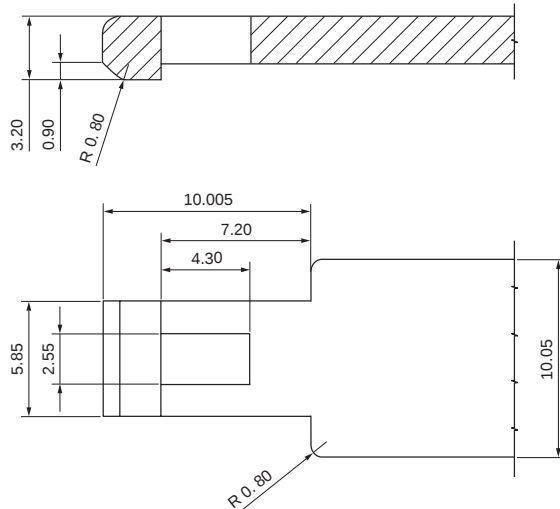
Material: Copper Alloy

Thickness: $t=0.25$

Description	Part Number	Plating	Applicable Wire Size		
			Europe (mm ²)	U.S.A. (AWG)	Japan (mm ²)
Male Terminal	7114-4720-02	Sn	0.35	22	0.3
	7114-4721-02	Sn	0.35	22	0.3
	7114-3286-08	Au	0.35	22	0.3
	7114-3287-08	Au	0.5 ~ 0.75	20 ~ 18	0.5 ~ 0.85
Female Terminal	7116-4720-02	Sn	0.35	22	0.3
	7116-4721-02	Sn	0.5 ~ 0.75	20 ~ 18	0.5 ~ 0.85
	7116-4720-08	Au	0.35	22	0.3
	7116-4721-08	Au	0.5 ~ 0.75	20 ~ 18	0.5 ~ 0.85

Retainer Clip / Bracket Dimensions

UNIT: mm



Part Number	Panel Hole Requirements
7047-9580 (Ref)	φ6.5mm

0.64 x 0.8

unsealed connection system

**Part Number
Summary Chart**

Part Name	Male	Female
Terminal	7114-4720-02	7116-4720-02
	7114-4721-02	7116-4721-02
	7114-3286-08	7116-4720-08
	7114-3287-08	7116-4721-08
Applicable Clip	7047-9580 (Ref)	N/A

Pole	Polarity	Color	Male Part #	Female Part #	Female Part # (w/CPA)
4	A	Light Grey	7282-6560-40	7283-6386-40	7283-6560-40
6	A	Light Grey	7282-6561-40	7283-6387-40	7283-6561-40
8	A	Light Grey	7282-8870-40	7283-8873-40	7283-8872-40
12	A	Light Grey	7282-7696-40	7283-7696-40	7283-7697-40
20	A	Light Grey	7282-6568-40	7283-6388-40	7283-6568-40

***Applicable Terminal Removal Tool/Dimensions**

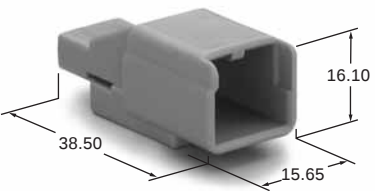
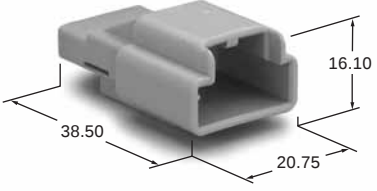
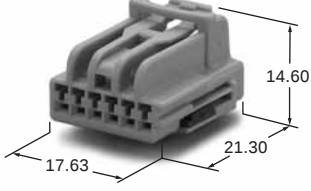
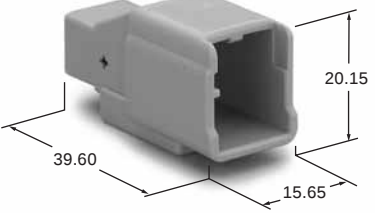
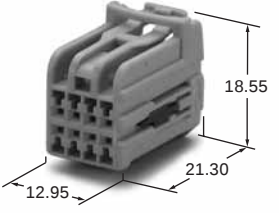
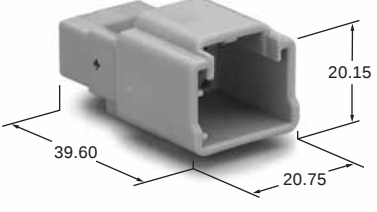
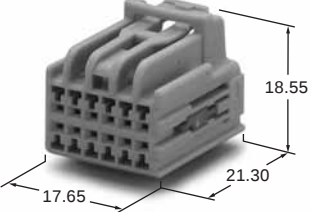
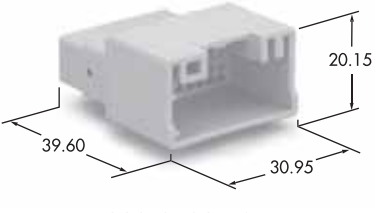
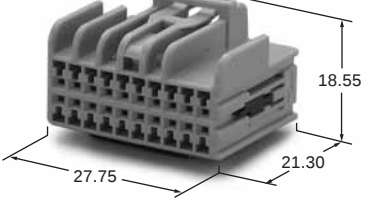
Refer to Page 68 for YES Connector Terminal Removal Tool.

Order Number: 49YA000105.

unsealed connection system

0.64 x 0.8**Housing Material: PBT+GF**

UNIT: mm

<i>Poles</i>	<i>Male Housing</i>	<i>Female Housing</i>
4	 38.50 16.10 15.65 7282-6560-40	 12.95 14.60 21.30 7283-6386-40
6	 38.50 16.10 20.75 7282-6561-40	 17.63 14.60 21.30 7283-6387-40
8	 39.60 20.15 15.65 7282-8870-40	 12.95 18.55 21.30 7283-8873-40
12	 39.60 20.15 20.75 7282-7696-40	 17.65 18.55 21.30 7283-7696-40
20	 39.60 20.15 30.95 7282-6568-40	 27.75 18.55 21.30 7283-6388-40



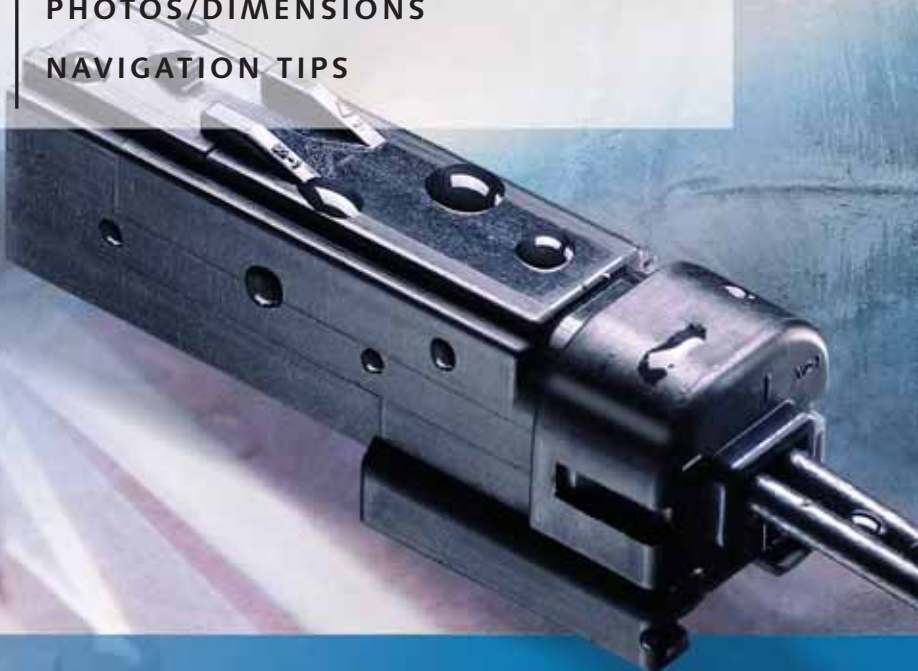
CONNECTORS

0.64 SERIES SEALED

0.64 SERIES
SEALED

CLICK ON YOUR SELECTION:

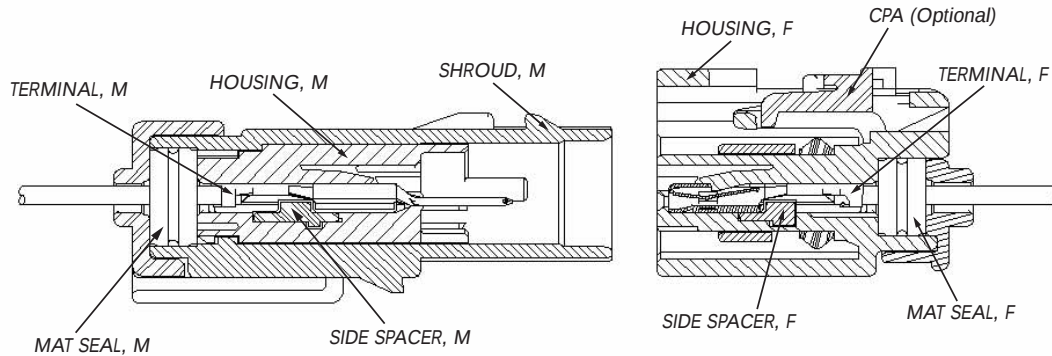
- CONSTRUCTION
- SPECIFICATIONS
- CURRENT RATING CURVE
- TERMINAL
- RETAINER CLIP/BRACKET DIMENSIONS
- PART NUMBER SUMMARY CHART
- PHOTOS/DIMENSIONS
- NAVIGATION TIPS



0.64 x 0.8

sealed connection system

Construction

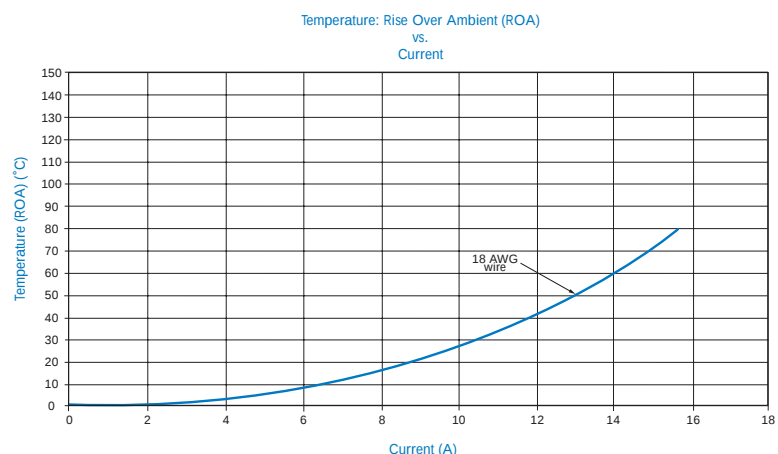


Specifications

Material	Connector	PBT + GF
	Male Terminal	Copper Alloy (Sn/Au Plate)
	Female Terminal	Copper Alloy (Sn/Au Plate)
Operating Temperature Range		-40°C ~125°C (145°C max temp.) (USCAR Class III)
Current Capacity		(See Chart)
Voltage Drop		20mΩ Max (Term./Term.) (Crimp-To-Crimp)
Isolation Resistance		500VDC, 20MΩ Min
Dielectric Resistance		1000VAC (1 min.)
Applicable Wire Size		22AWG ~ 18AWG (0.22mm ² ~ 0.76mm ²)
Terminal Pitch		Horizontal: 2.54mm; Vertical: 2.54mm
Sealing Performance (Air Leak Pressure)		48kPa Min (Pre-Heat Soak); 28kPa (Post-Heat Soak)
Terminal-to-Connector Retention Force		75N Min
Connector-to-Connector Retention Force		110N Min

Current Rating Curve (Reference Only)

This data is based on single circuit/connector evaluation. Data should be used as reference only. Appropriate derating should be considered based upon specific application requirements.



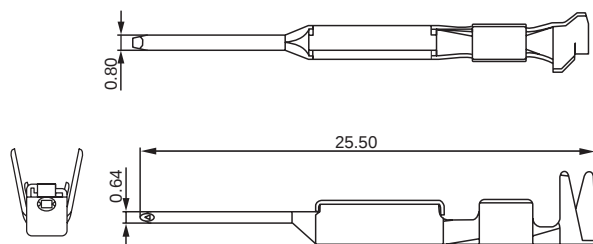
sealed connection system

0.64 x 0.8

Terminal

UNIT: mm

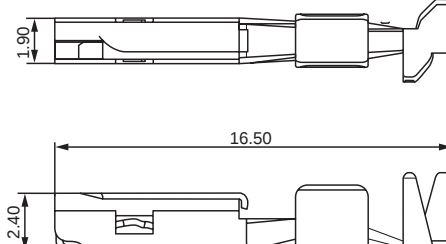
Male Terminal



Material: Copper Alloy

Thickness: t=0.3

Female Terminal



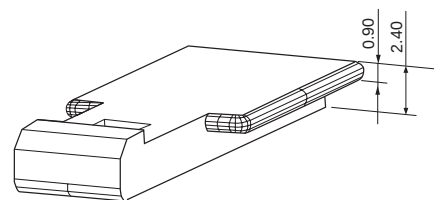
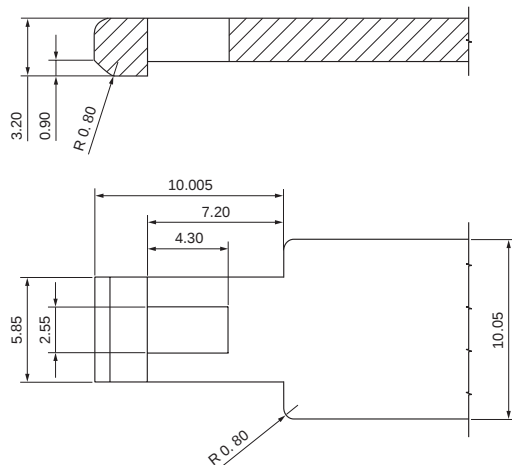
Material: Copper Alloy

Thickness: t=0.25

Description	Part Number	Plating	Applicable Wire Size		
			Europe (mm ²)	U.S.A. (AWG)	Japan (mm ²)
Male Terminal	7114-4720-02	Sn	0.35	22	0.3
	7114-4721-02	Sn	0.5 ~ 0.75	20 ~ 18	0.5 ~ 0.85
	7114-3286-08	Au	0.35	22	0.3
	7114-3287-08	Au	0.5 ~ 0.75	20 ~ 18	0.5 ~ 0.85
Female Terminal	7116-4720-02	Sn	0.35	22	0.3
	7116-4721-02	Sn	0.5 ~ 0.75	20 ~ 18	0.5 ~ 0.85
	7116-4720-08	Au	0.35	22	0.3
	7116-4721-08	Au	0.5 ~ 0.75	20 ~ 18	0.5 ~ 0.85

Retainer Clip / Bracket Dimensions

UNIT: mm



Part Number	Panel Hole Requirements
7047-9580 (Ref)	φ6.5mm

0.64 x 0.8

sealed connection system

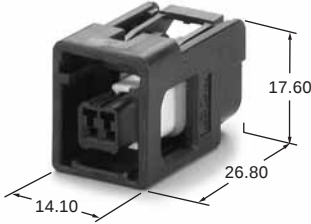
**Part Number
Summary Chart**

Part Name	Male	Female
Terminal	7114-4720-02	7116-4720-02
	7114-4721-02	7116-4721-02
	7114-3286-08	7116-4720-08
	7114-3287-08	7116-4721-08
Applicable Clip	7047-9580 (Ref)	N/A

Pole	Polarity	Color	Male Part #	Female Part #	Female Part # (w/CPA)
2	A	Black	7282-6075-30	7283-6078-30	7283-6076-30

Housing Material: PBT+GF

UNIT: mm

Poles	Male Housing	Female Housing
2	 7282-6075-30	 7283-6078-30

***Applicable Terminal Removal Tool/Dimensions**

Refer to Page 68 for YES Connector Terminal Removal Tool.

Order Number: 49YA000105.



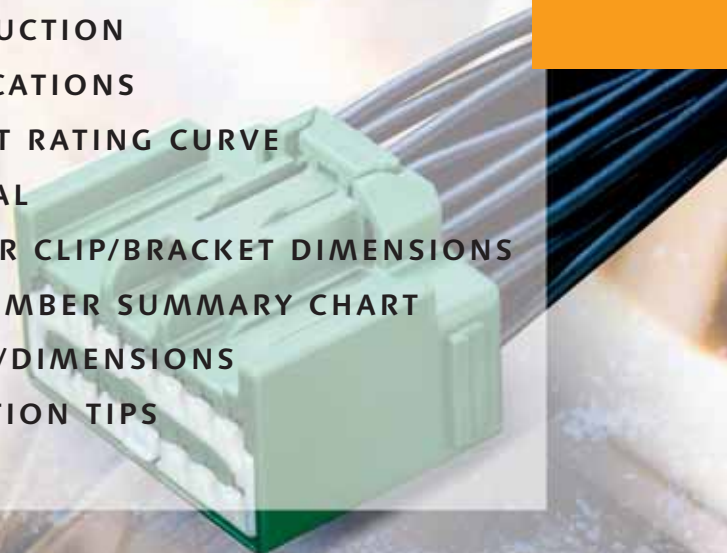
CONNECTORS

1.5 SERIES UNSEALED

1.5 SERIES
UNSEALED

CLICK ON YOUR SELECTION:

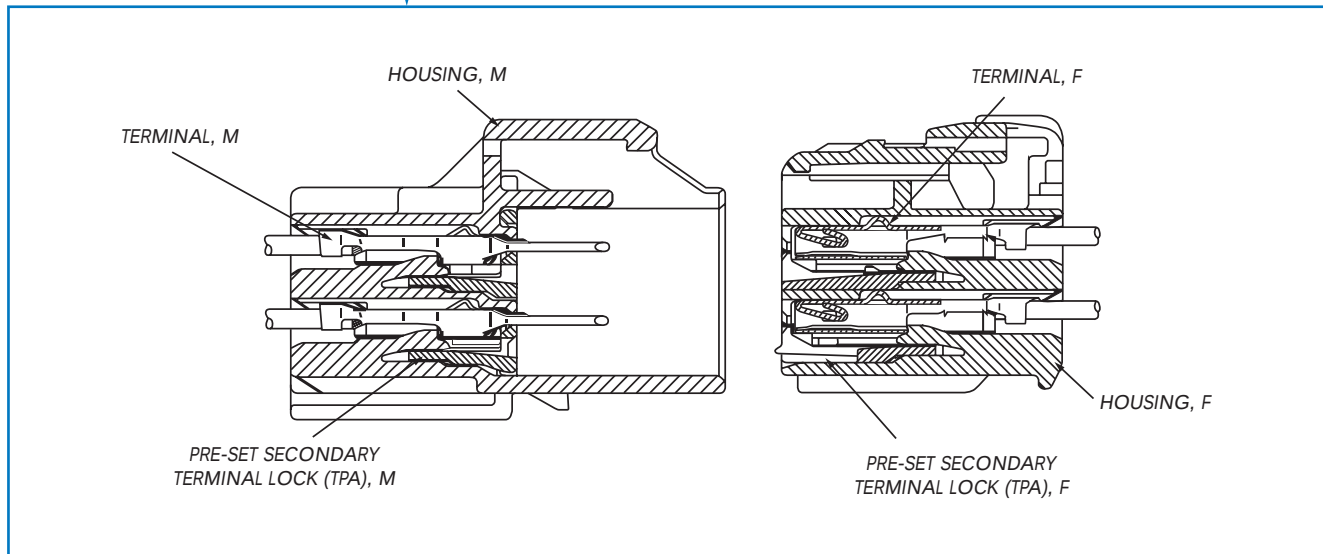
CONSTRUCTION
SPECIFICATIONS
CURRENT RATING CURVE
TERMINAL
RETAINER CLIP/BRACKET DIMENSIONS
PART NUMBER SUMMARY CHART
PHOTOS/DIMENSIONS
NAVIGATION TIPS



1.5 x 0.8

unsealed connection system

Construction



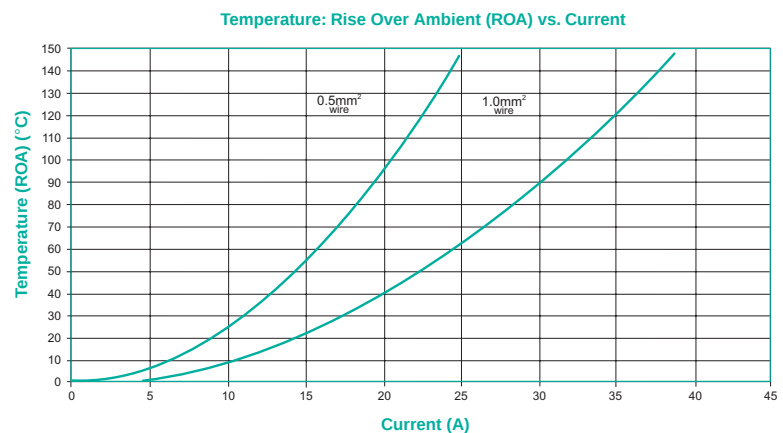
Specifications

Material	Connector	HPA
	Male Terminal	Copper Alloy (Sn/Au Plate)
	Female Terminal	Copper Alloy (Sn/Au Plate)
Operating Temperature Range		-40°C ~125°C (145°C max temp.) (USCAR Class III)
Current Capacity		(See Chart)
Voltage Drop		10mΩ Max (Term./Term.) (Crimp-To-Crimp)
Isolation Resistance		500VDC, 20MΩ Min
Dielectric Resistance		1000VAC (1 min.)
Applicable Wire Size		22AWG ~ 16AWG (0.35mm ² ~ 1.0mm ²)
Terminal Pitch		Horizontal: 3.50mm; Vertical: 6.50mm
Terminal-to-Connector Retention Force		90N Min
Connector-to-Connector Retention Force		110N Min

Current Rating Curve (Reference Only)

This data is based on single circuit/connector evaluation. Data should be used as reference only. Appropriate derating should be considered based upon specific application requirements.

0.35mm² rating curve not shown.
Current capability of terminal exceeds capacity of wire.

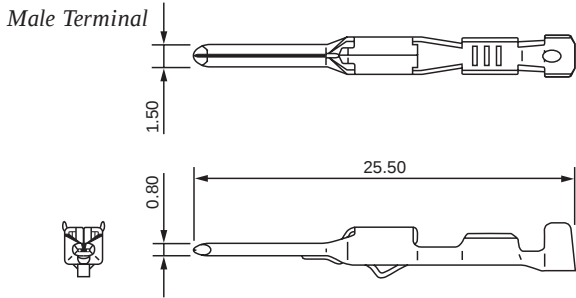
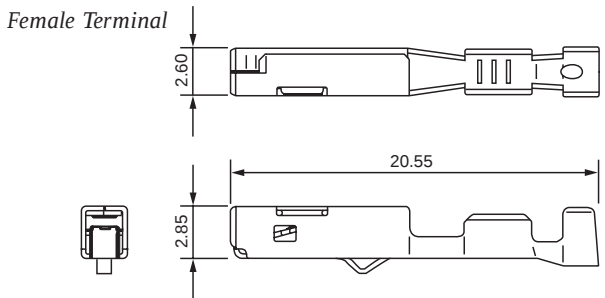


unsealed connection system

1.5 x 0.8

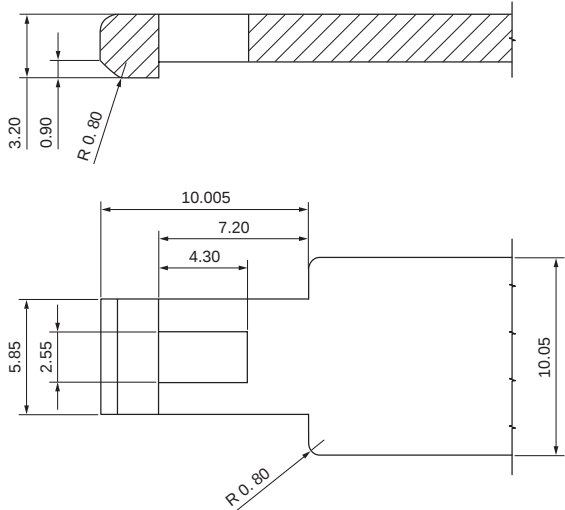
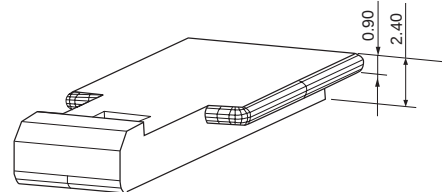
Terminal

UNIT: mm

Male Terminal  Material: Copper Alloy Thickness: t=0.3			Female Terminal  Material: Copper Alloy Thickness: t=0.25		
Description	Part Number	Plating	Applicable Wire Size		
			Europe (mm ²)	U.S.A. (AWG)	Japan (mm ²)
Male Terminal	7114-4100-02	Sn	0.35 ~ 0.5	22 ~ 20	0.3 ~ 0.5
	7114-4101-02	Sn	0.75 ~ 1.0	18 ~ 16	0.85 ~ 1.25
	7114-4100-08	Au	0.35 ~ 0.5	22 ~ 20	0.3 ~ 0.5
	7114-4101-08	Au	0.75 ~ 1.0	18 ~ 16	0.85 ~ 1.25
Female Terminal	7116-4100-02	Sn	0.35 ~ 0.5	22 ~ 20	0.3 ~ 0.5
	7116-4101-02	Sn	0.75 ~ 1.0	18 ~ 16	0.85 ~ 1.25
	7116-4100-08	Au	0.35 ~ 0.5	22 ~ 20	0.3 ~ 0.5
	7116-4101-08	Au	0.75 ~ 1.0	18 ~ 16	0.85 ~ 1.25

Retainer Clip / Bracket Dimensions

UNIT: mm

 		Part Number 7047-9580 (Ref)		Panel Hole Requirements φ6.5mm	
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1.5 x 0.8

unsealed connection system

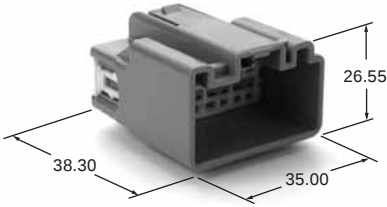
Part Number Summary Chart

Part Name	Male	Female
Terminal	7114-4100-02	7116-4100-02
	7114-4101-02	7116-4101-02
	7114-4100-08	7116-4100-08
	7114-4101-08	7116-4101-08
Applicable Clip	7047-9580 (Ref)	N/A

Pole	Polarity	Color	Male Part #	Female Part #	Female Part # (w/CPA)	Delete Cap
2	A	Light Grey			7283-5904-40	7282-5555-40
3	A	Light Grey			7283-5905-40	
4	A	Light Grey			7283-5906-40	
4	B	Green			7283-6475-60	
6	A	Light Grey			7283-5907-40	7282-5944-40
8	A	Light Grey			7283-5908-40	
10	A	Light Grey			7283-5909-40	
10	B	Green	7282-5683-60			
12	A	Light Grey			7283-5940-40	
16	A	Green			7283-5941-60	7282-5690-60
16	C	Light Grey	7282-5536-40			

Housing Material: HPA

UNIT: mm

Poles	Male Housing	Female Housing
10	 7282-5683-60 Please check YESC KAIZEN Catalog for new part.	N/A
16	 7282-5536-40 Please check YESC KAIZEN Catalog for new part.	N/A

*Applicable Terminal Removal Tool / Dimensions

Refer to Page 68 for YES Connector Terminal Removal Tool. Order Number: X39899-J374.

Please check the YESC KAIZEN catalog for additional parts.



CONNECTORS

1.5 SERIES SEALED

1.5 SERIES
SEALED

CLICK ON YOUR SELECTION:

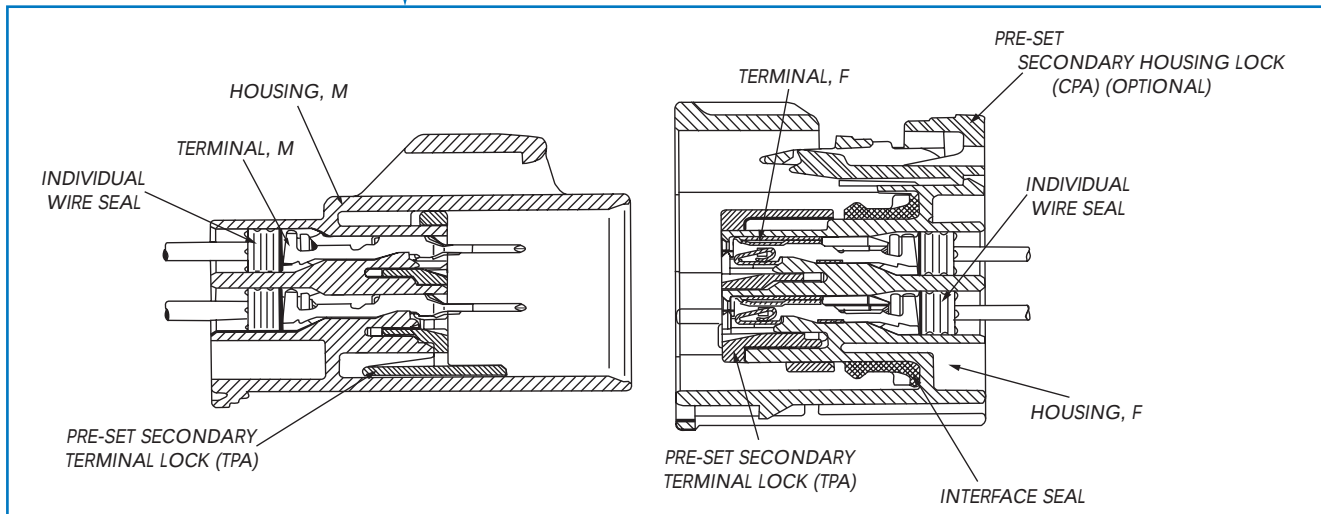
- CONSTRUCTION
- SPECIFICATIONS
- CURRENT RATING CURVE
- TERMINAL
- CABLE SEAL
- RETAINER CLIP/BRACKET DIMENSIONS
- PART NUMBER SUMMARY CHART
- PHOTOS/DIMENSIONS
- NAVIGATION TIPS



1.5 x 0.8

sealed connection system

Construction



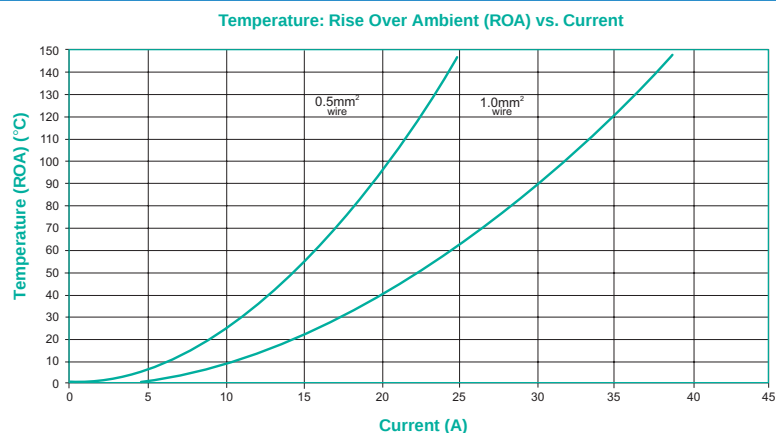
Specifications

Material	Connector	HPA
	Male Terminal	Copper Alloy (Sn/Au Plate)
	Female Terminal	Copper Alloy (Sn/Au Plate)
Operating Temperature Range		-40°C ~ 125°C (145°C max temp.) (USCAR Class III)
Current Capacity		(See Chart)
Voltage Drop		10mΩ Max (Term./Term.) (Crimp-To-Crimp)
Isolation Resistance		500VDC, 20MΩ Min
Dielectric Resistance		1000VAC (1 min.)
Applicable Wire Size		22AWG ~ 16AWG (0.35mm ² ~ 1.0mm ²)
Terminal Pitch		Horizontal: 5.50mm; Vertical: 6.50mm
Sealing Performance (Air Leak Pressure)		48kPa Min (Pre-Heat Soak); 28kPa (Post-Heat Soak)
Terminal-to-Connector Retention Force		90N Min
Connector-to-Connector Retention Force		110N Min

Current Rating Curve (Reference Only)

This data is based on single circuit/connector evaluation. Data should be used as reference only. Appropriate derating should be considered based upon specific application requirements.

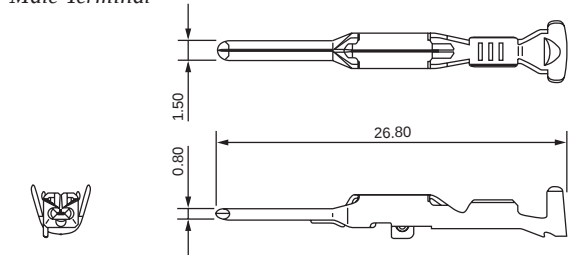
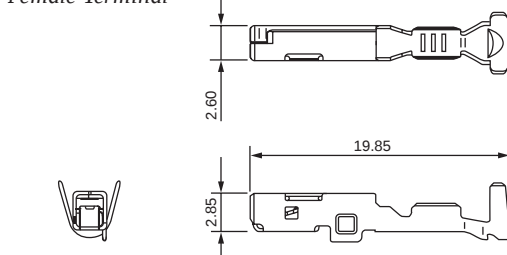
0.35mm² rating curve not shown.
Current capability of terminal exceeds capacity of wire.



sealed connection system

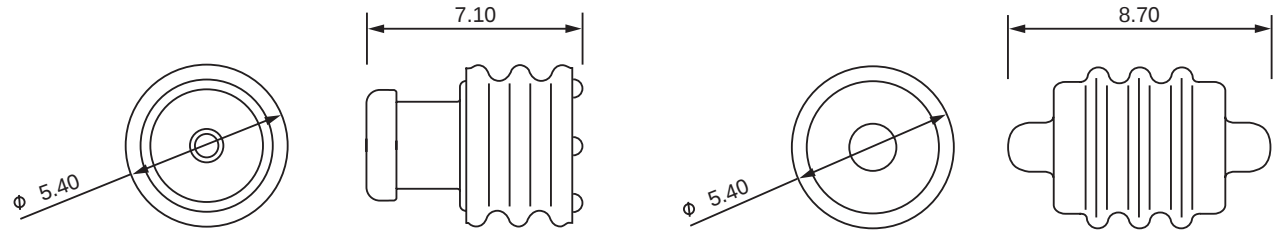
1.5 x 0.8**Terminal**

UNIT: mm

Male Terminal 			Female Terminal 		
Description	Part Number	Plating	Applicable Wire Size		
			Europe (mm ²)	U.S.A. (AWG)	Japan (mm ²)
Male Terminal	7114-4102-02	Sn	0.35 ~ 0.5	22 ~ 20	0.3 ~ 0.5
	7114-4103-02	Sn	0.75 ~ 1.0	18 ~ 16	0.85 ~ 1.25
	7114-4102-08	Au	0.35 ~ 0.5	22 ~ 20	0.3 ~ 0.5
	7114-4103-08	Au	0.75 ~ 1.0	18 ~ 16	0.85 ~ 1.25
Female Terminal	7116-4102-02	Sn	0.35 ~ 0.5	22 ~ 20	0.3 ~ 0.5
	7116-4103-02	Sn	0.75 ~ 1.0	18 ~ 16	0.85 ~ 1.25
	7116-4102-08	Au	0.35 ~ 0.5	22 ~ 20	0.3 ~ 0.5
	7116-4103-08	Au	0.75 ~ 1.0	18 ~ 16	0.85 ~ 1.25

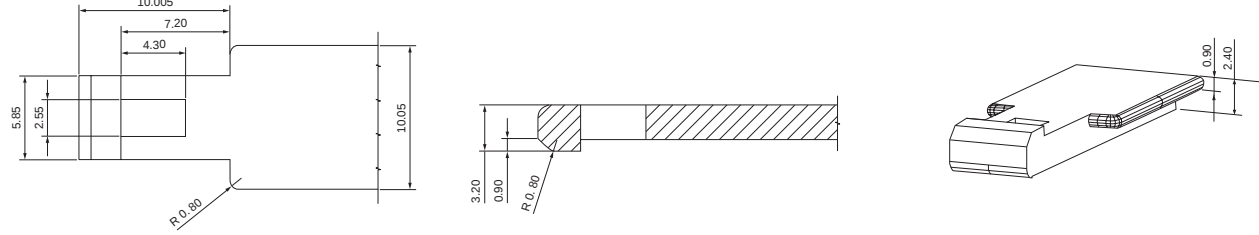
Cable Seal

UNIT: mm

				
Description	Part Number	Color	Material	Wire O.D. Range
Cable Seal	7158-3030-50	Red	Silicone	1.19 ~ 1.70
	7158-3031-90	Blue	Silicone	1.60 ~ 2.34
Unused Cavity Plug	7158-3032-60	Green	Silicone	N/A

Retainer Clip / Bracket Dimensions

UNIT: mm

	
Part Number	Panel Hole Requirements
7047-9580 (Ref.)	φ6.5mm

1.5 x 0.8

sealed connection system

Part Number Summary Chart

Part Name	Male	Female
Terminal	7114-4102-02	7116-4102-02
	7114-4103-02	7116-4103-02
	7114-4102-08	7116-4102-08
	7114-4103-08	7116-4103-08
Cable Seal	7158-3030-50	
	7158-3031-90	
Unused Cavity Plug	7158-3032-60	
Applicable Clip	N/A	7047-9580 (Ref)

Pole	Polarity	Color Description	Male Part #	Female Part #	Female Part # (w/CPA)	Delete Cap
2	A	Black	7282-5548-30	7283-5548-30	7283-5549-30	
2	B	Dark Grey	7282-5558-10			
2		Black/Direct only		7283-5689-30		
2		Dark Grey/Direct only			7283-6432-10	
2		Natural/Direct only			7283-6433	
2		Light Grey/Direct only			7283-6434-40	
3	A	Black	7282-5541-30			
3	B	Dark Grey	7282-5691-10	7283-5691-10	7283-5880-10	
3		Black/Direct only		7283-5537-30		
4	2-Row A	Dark Grey	7282-5543-10	7283-5543-10	7283-5544-10	
4	2-Row B	Black	7282-5889-30	7283-5889-30		
4	2-Row B	Blue	7282-5889-90	7283-5889-90		
5	A	Black		7283-5547-30	7283-5550-30	
6	A	Dark Grey	7282-5553-10	7283-5553-10	7283-5554-10	
6	A	Black	7282-5553-30	7283-5553-30	7283-5554-30	
8	A	Dark Grey	7282-5684-10			
8	A	Black	7282-5684-30			
10	2-Row A	Black	7282-5946-30	7283-5946-30	7283-5947-30	
10	2-Row B	Dark Grey, #1 Pin Neg.			7283-5694-10	
10	2-Row B	Light Grey, #1 Pin Neg.		7283-5948-40	7283-5694-40	
10	2-Row B	Black, #5 & #9 Pin Neg.			7283-5695-30	
10	2-Row B	Black, #1 & #5 Pin Neg.		7283-6472-30	7283-6473-30	
10	5-Row A	Black/ PBT Material		7283-6478-30	7283-6479-30	
12	A	Dark Grey	7283-5545-10	7283-5546-10	7282-5545-10	
12	A	Black	7282-5545-30	7283-5545-30	7283-5546-30	
18	A	Black	7282-6493-30	7283-6493-30		

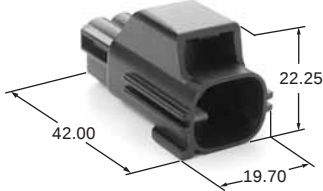
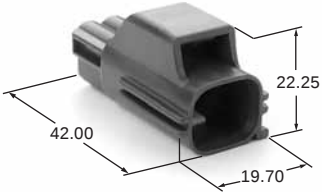
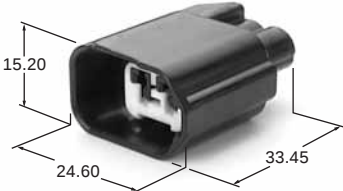
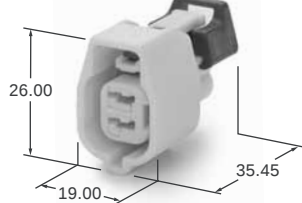
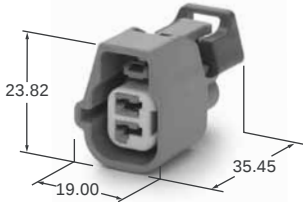
* Applicable Terminal Removal Tool/Dimensions

Refer to Page 68 for YES Connector Terminal Removal Tool.
Order Number: X39899-J374.

sealed connection system

1.5 x 0.8**Housing Material: HPA**

UNIT: mm

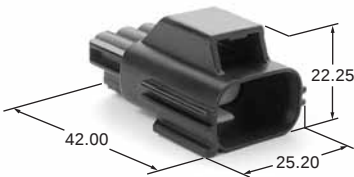
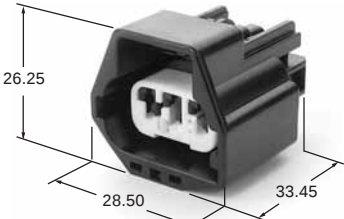
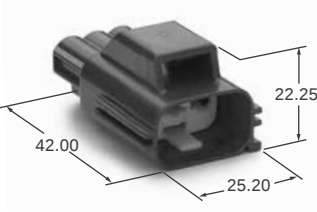
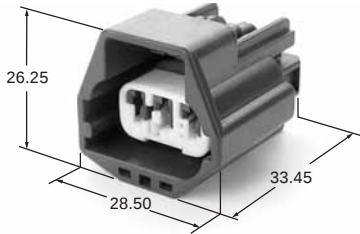
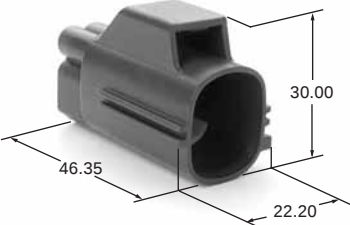
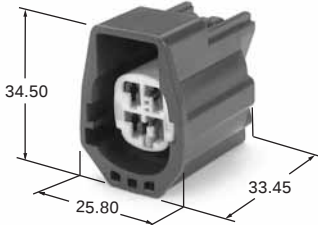
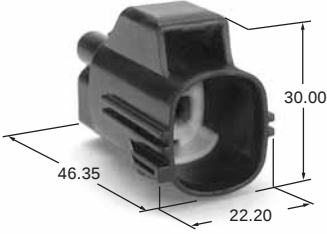
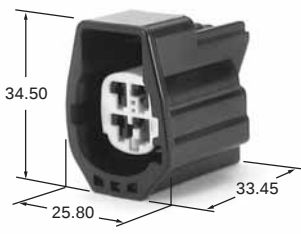
Poles	Male Housing	Female Housing
2	 7282-5548-30	 7283-5548-30
2	 7282-5558-10	N/A Please check YESC KAIZEN Catalog for the mate.
2	N/A	 7283-5689-30
2	N/A	 7283-6432-10
2	N/A	 7283-6433
2	N/A	 7283-6434-40

1.5 x 0.8

sealed connection system

Housing Material: HPA

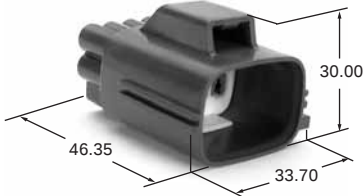
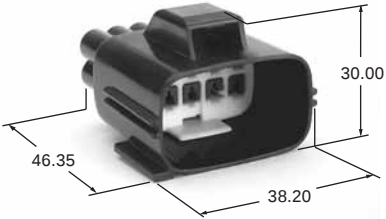
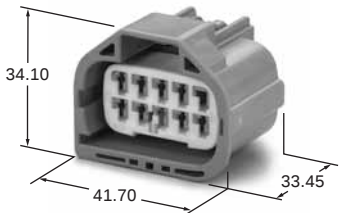
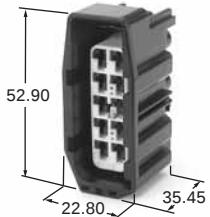
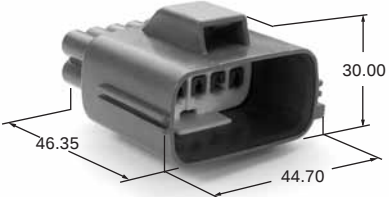
UNIT: mm

<i>Poles</i>	<i>Male Housing</i>	<i>Female Housing</i>
3	 7282-5541-30	 7283-5541-30
3	 7282-5691-10	 7283-5691-10
3	N/A	 7283-5537-30
4	 7282-5543-10	 7283-5543-10
4	 7282-5889-30	 7283-5889-30
6	 7282-5553-10	 7283-5553-10

sealed connection system

1.5 x 0.8**Housing Material: HPA**

UNIT: mm

8	 7282-5684-10	N/A <i>Please check YESC KAIZEN Catalog for the mate.</i>
10	 7282-5946-30	 7283-5946-30
10	N/A	 7283-5948-40
10	N/A	 7283-6478-30
12	 7282-5545-10	 7283-5545-10



CONNECTORS

2.8

SERIES

UNSEALED

CLICK ON YOUR SELECTION:

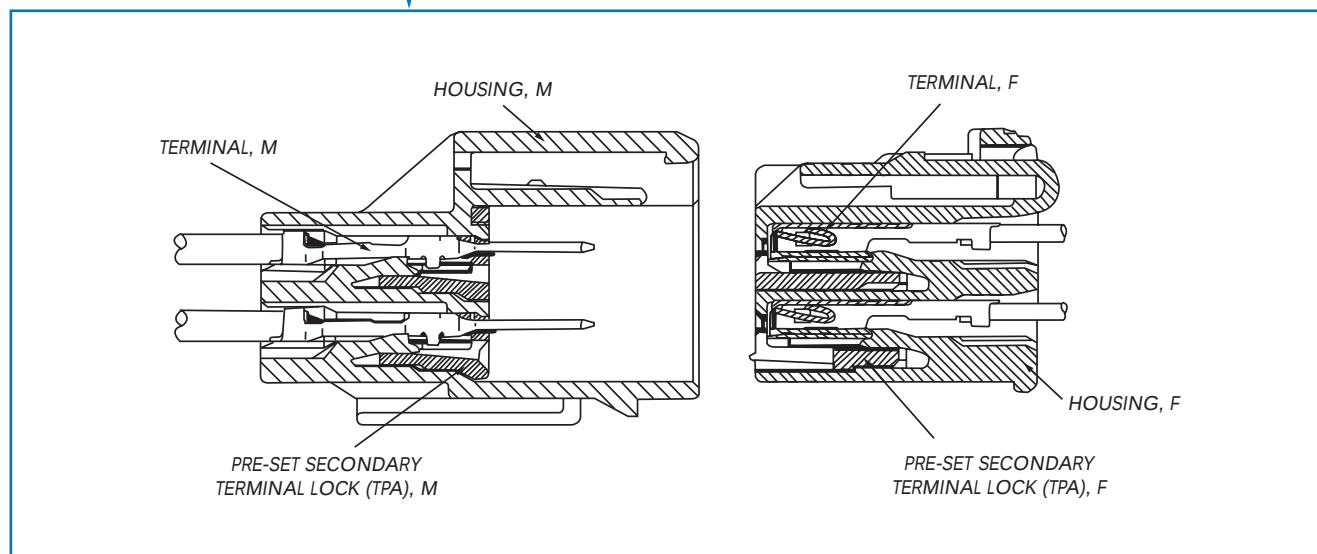
CONSTRUCTION
SPECIFICATIONS
CURRENT RATING CURVE
TERMINAL
RETAINER CLIP/BRACKET DIMENSIONS
PART NUMBER SUMMARY CHART
PHOTOS/DIMENSIONS
NAVIGATION TIPS

2.8 SERIES
UNSEALED



2.8 x 0.8

unsealed connection system

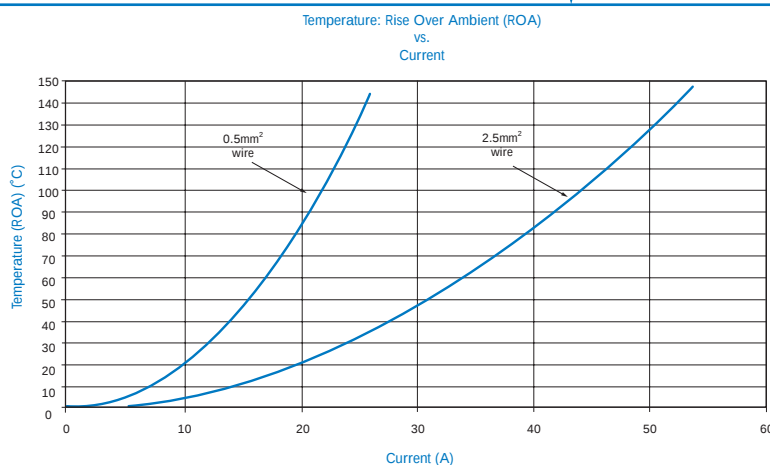
Construction**Specifications**

Material	Connector	HPA
	Male Terminal	Copper Alloy (Sn Plate)
	Female Terminal	Copper Alloy (Sn Plate)
Operating Temperature Range		-40°C ~ 125°C (145°C max temp.) (USCAR Class III)
Current Capacity		(See Chart)
Voltage Drop		10mΩ Max (Term./Term.) (Crimp-To-Crimp)
Isolation Resistance		500VDC, 20MΩ Min
Dielectric Resistance		1000VAC (1 min.)
Applicable Wire Size		22AWG ~ 14AWG (0.35mm ² ~ 2.5mm ²)
Terminal Pitch		Horizontal: 5.00mm; Vertical: 6.80mm
Terminal-to-Connector Retention Force		90N Min
Connector-to-Connector Retention Force		110N Min

Current Rating Curve (Reference Only)

This data is based on single circuit/connector evaluation. Data should be used as reference only. Appropriate derating should be considered based upon specific application requirements.

0.35mm² rating curve not shown.
Current capability of terminal exceeds capacity of wire.

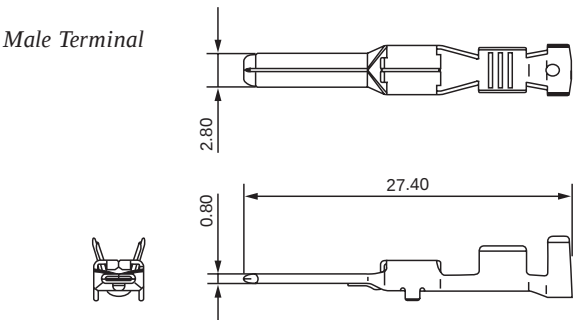
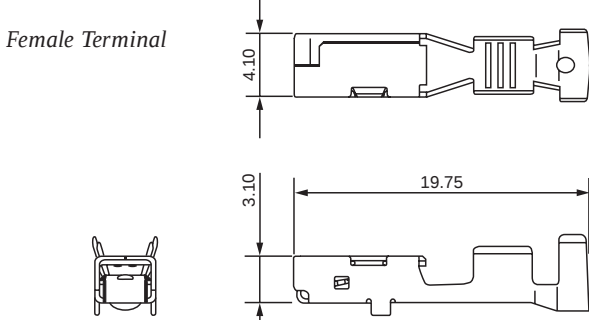


unsealed connection system

2.8 x 0.8

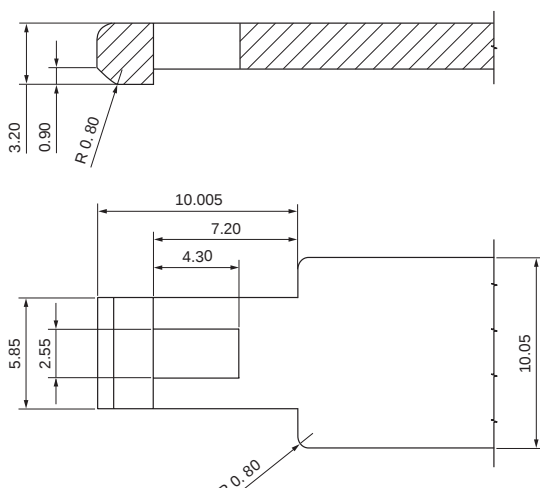
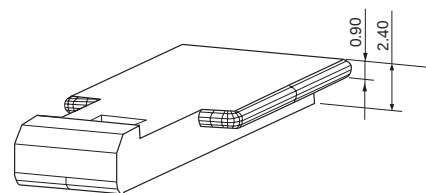
Terminal

UNIT: mm

Male Terminal  Material: Copper Alloy Thickness: t=0.3			Female Terminal  Material: Copper Alloy Thickness: t=0.3		
Description	Part Number	Plating	Applicable Wire Size		
			Europe (mm ²)	U.S.A. (AWG)	Japan (mm ²)
Male Terminal	7114-4110-02	Sn	0.35 ~ 0.5	22 ~ 20	0.3 ~ 0.5
	7114-4111-02	Sn	0.75 ~ 1.0	18 ~ 16	0.85 ~ 1.25
	7114-4112-02	Sn	1.5 ~ 2.5	14	2.0
Female Terminal	7116-4110-02	Sn	0.35 ~ 0.5	22 ~ 20	0.3 ~ 0.5
	7116-4111-02	Sn	0.75 ~ 1.0	18 ~ 16	0.85 ~ 1.25
	7116-4112-02	Sn	1.5 ~ 2.5	14	2.0

Retainer Clip / Bracket Dimensions

UNIT: mm

 	
Part Number	Panel Hole Requirements
7047-9580 (Ref)	φ6.5mm

2.8 x 0.8

unsealed connection system

**Part Number
Summary Chart**

Part Name	Male	Female
Terminal	7114-4110-02	7116-4110-02
	7114-4111-02	7116-4111-02
	7114-4112-02	7116-4112-02
Applicable Clip	7047-9580 (Ref)	N/A

Pole	Polarity	Color	Male Part #	Female Part #	Female Part # (w/CPA)	Delete Cap
2	A	Light Grey			7283-5910-40	
3	A	Light Grey	7282-5563-40	7283-5563-40	7283-5911-40	
4	A	Light Grey			7283-5912-40	
4	B	Green	7282-5566-60	7283-5566-60		
6	A	Light Grey			7283-5913-40	
7	A	Light Grey	7282-5580-40	7283-5580-40		
8		Green/Direct only		7283-6382-60		
8		Dark Grey/Direct only		7283-6384-10	7283-6383-10	
10	A	Light Grey		7283-5564-40	7283-5915-40	
12	A	Light Grey			7283-5916-40	

***Applicable Terminal Removal Tool/Dimensions**

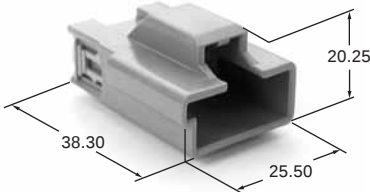
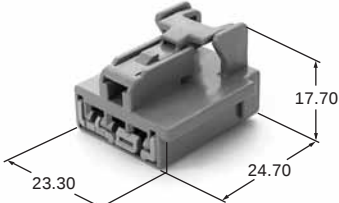
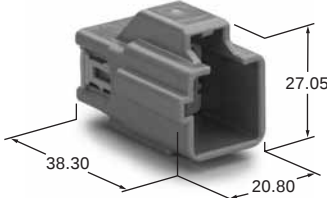
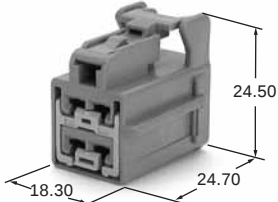
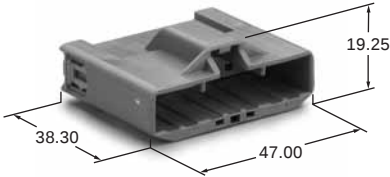
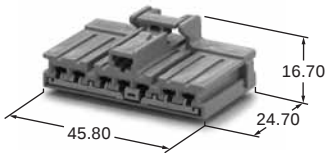
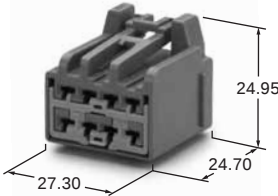
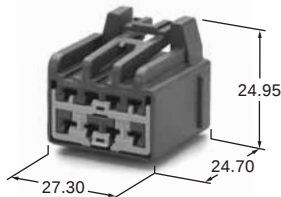
Refer to Page 68 for YES Connector Terminal Removal Tool.

Order Number: X39899-J374.

unsealed connection system

2.8 x 0.8
Housing Material: HPA

UNIT: mm

Poles	Male Housing	Female Housing
3	 7282-5563-40	 7283-5563-40
4	 7282-5566-60	 7283-5566-60
7	 7282-5580-40	 7283-5580-40
8	N/A	 7283-6382-60
8	N/A	 7283-6384-10



CONNECTORS

2.8

SERIES

SEALED

CLICK ON YOUR SELECTION:

CONSTRUCTION
SPECIFICATIONS
CURRENT RATING CURVE
TERMINAL
CABLE SEAL
RETAINER CLIP/BRACKET DIMENSIONS
PART NUMBER SUMMARY CHART
PHOTOS/DIMENSIONS
NAVIGATION TIPS

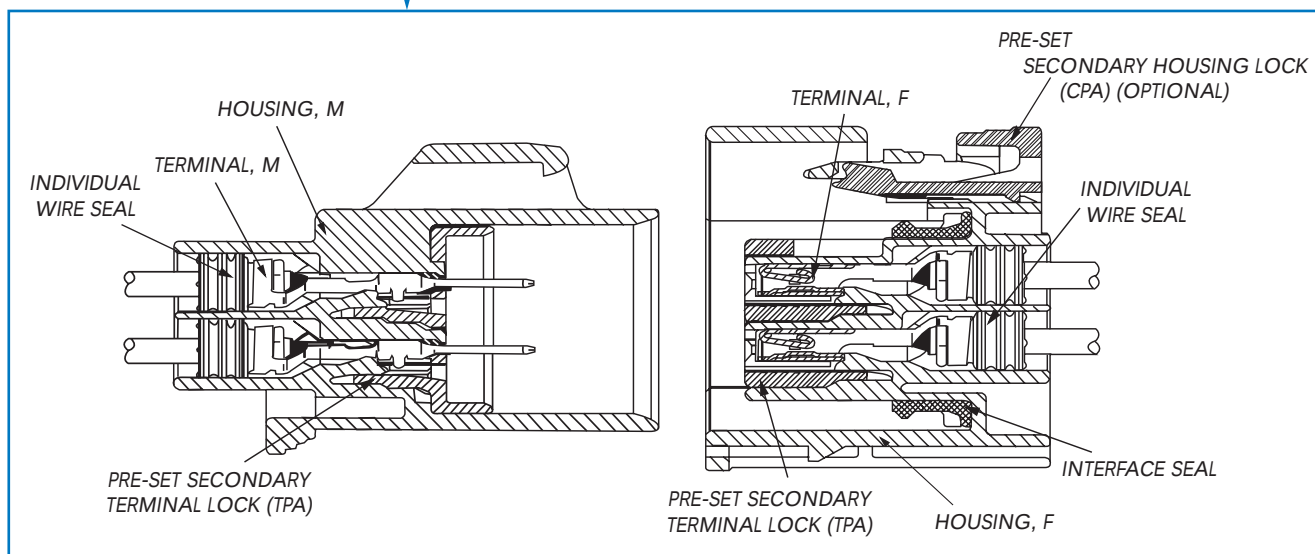
2.8 SERIES
SEALED



2.8 x 0.8

sealed connection system

Construction



Specifications

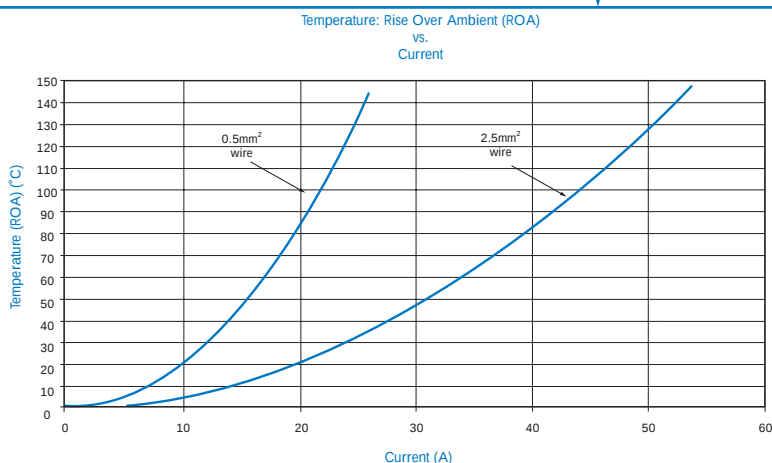
Material	Connector	HPA
	Male Terminal	Copper Alloy (Sn Plate)
	Female Terminal	Copper Alloy (Sn Plate)
Operating Temperature Range		-40°C ~125°C (145°C max temp.) (USCAR Class III)
Current Capacity		(See Chart)
Voltage Drop		10mΩ Max (Term./Term.) (Crimp-To-Crimp)
Isolation Resistance		500VDC, 20MΩ Min
Dielectric Resistance		1000VAC (1 min.)
Applicable Wire Size		22AWG ~ 14AWG (0.35mm ² ~ 2.5mm ²)
Terminal Pitch		Horizontal: 6.80mm; Vertical: 6.80mm
Sealing Performance (Air Leak Pressure)		48kPa Min (Pre-Heat Soak); 28kPa (Post-Heat Soak)
Terminal-to-Connector Retention Force		90N Min
Connector-to-Connector Retention Force		110N Min

Current Rating Curve (Reference Only)

This data is based on single circuit/connector evaluation. Data should be used as reference only. Appropriate derating should be considered based upon specific application requirements.

0.35mm² rating curve not shown.

Current capability of terminal exceeds capacity of wire.



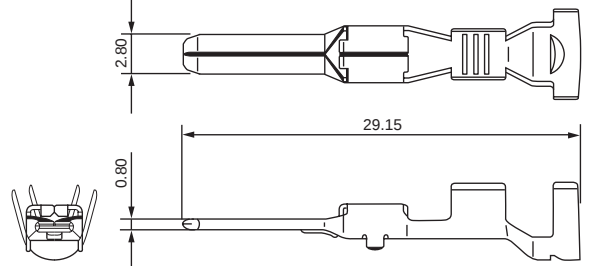
sealed connection system

2.8 x 0.8

Terminal

UNIT: mm

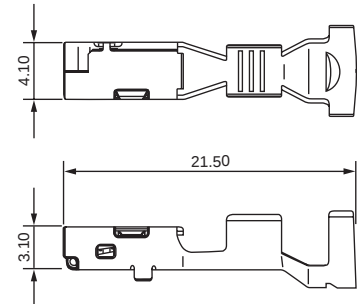
Male Terminal



Material: Copper Alloy

Thickness: t=0.3

Female Terminal



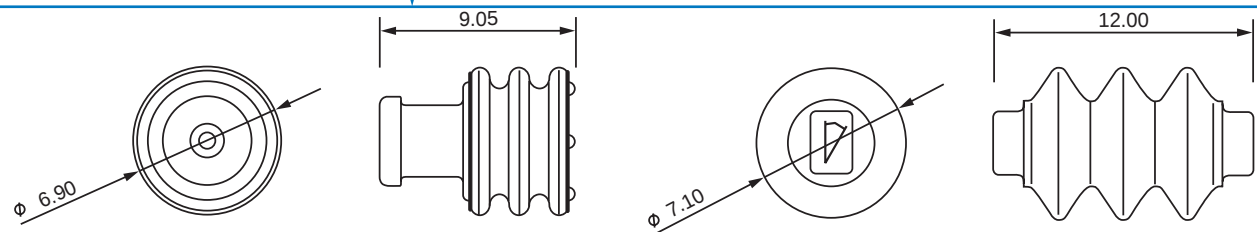
Material: Copper Alloy

Thickness: t=0.3

Description	Part Number	Plating	Applicable Wire Size		
			Europe (mm ²)	U.S.A. (AWG)	Japan (mm ²)
Male Terminal	7114-4150-02	Sn	0.35 ~ 0.5	22 ~ 20	0.3 ~ 0.5
	7114-4151-02	Sn	0.75 ~ 1.0	18 ~ 16	0.85 ~ 1.25
	7114-4152-02	Sn	1.5 ~ 2.5	14	2.0
Female Terminal	7116-4150-02	Sn	0.35 ~ 0.5	22 ~ 20	0.3 ~ 0.5
	7116-4151-02	Sn	0.75 ~ 1.0	18 ~ 16	0.85 ~ 1.25
	7116-4152-02	Sn	1.5 ~ 2.5	14	2.0

Cable Seal

UNIT: mm



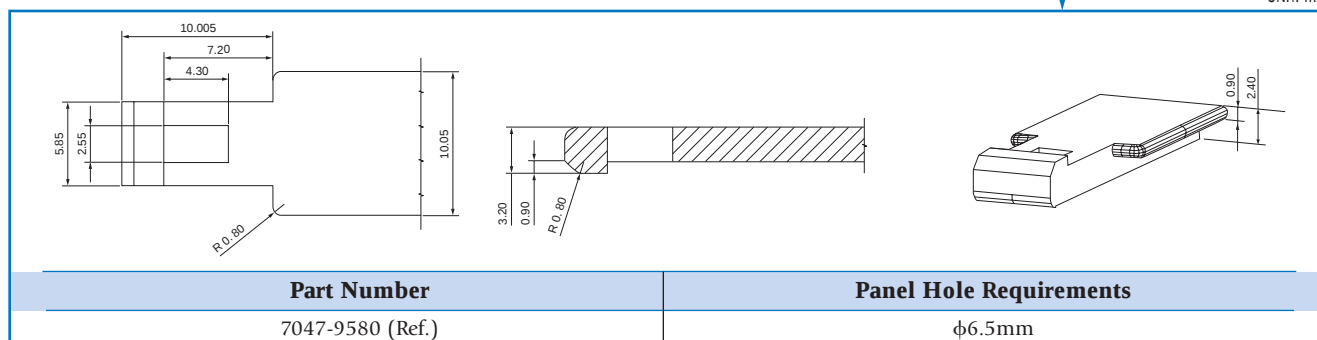
Description	Part Number	Color	Material	Wire O.D. Range
Cable Seal	7158-3110-40	Light Grey	Silicone	3.10 ~ 3.3
	7158-3111-60	Green	Silicone	1.19 ~ 1.9
	7158-3112-70	Yellow	Silicone	1.88 ~ 2.1
	7158-3113-40	White	Silicone	2.18 ~ 3.0
	7158-3115-80	Brown	Silicone	1.19 ~ 1.9
	7158-3116-50	Red	Silicone	1.88 ~ 2.4
Unused Cavity Plug	7158-3114-90	Blue	Silicone	N/A

2.8 x 0.8

sealed connection system

Retainer Clip/Bracket Dimensions

UNIT: mm



Part Number Summary Chart

Part Name	Male	Female
Terminal	7114-4150-02	7116-4150-02
	7114-4151-02	7116-4151-02
	7114-4152-02	7116-4152-02
Cable Seal	7158-3110-40	
	7158-3111-60	
	7158-3112-70	
	7158-3113-40	
	7158-3115-80	
	7158-3116-50	
Unused Cavity Plug	7158-3114-90	
Applicable Clip	N/A	7047-9580 (Ref)

Pole	Polarity	Color Description	Male Part #	Female Part #	Female Part # (w/CPA)
2	A	Dark Grey	7282-5575-10	7283-5575-10	7283-5922-10
3	A	Dark Grey	7282-5576-10	7283-5576-10	7283-5923-10
4	A	Dark Grey	7282-5570-10	7283-5570-10	7283-5924-10
4	B	Black	7282-5571-30	7283-5571-30	7283-5925-30
5	A	Black/Direct Only		7283-5918-30	
6	A	Dark Grey	7282-5577-10	7283-5577-10	7283-5926-10
8	A	Dark Grey	7282-5574-10	7283-5574-10	7283-5927-10

*Applicable Terminal Removal Tool/Dimensions

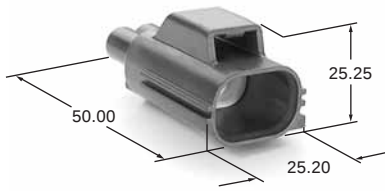
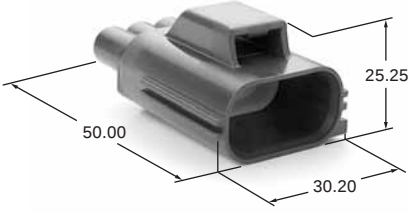
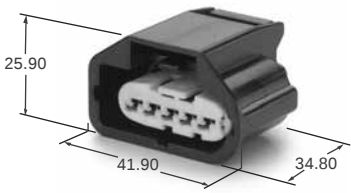
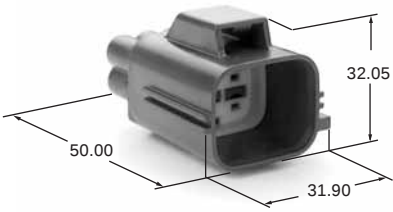
Refer to Page 68 for YES Connector Terminal Removal Tool.

Order Number: X39899-J374.

sealed connection system

2.8 x 0.8**Housing Material: HPA**

UNIT: mm

<i>Poles</i>	<i>Male Housing</i>	<i>Female Housing</i>
2	 7282-5575-10	 7283-5575-10
3	 7282-5576-10	 7283-5576-10
4	 7282-5570-10	 7283-5570-10
4	 7282-5571-30	 7283-5571-30
5	N/A	 7283-5918-30
6	 7282-5577-10	 7283-5577-10

2.8 x 0.8

sealed connection system

Housing Material: HPA

UNIT: mm

Poles	Male Housing	Female Housing
8	 7282-5574-10	 7283-5574-10

YESC

CONNECTORS

6.3

SERIES

UNSEALED

CLICK ON YOUR SELECTION:

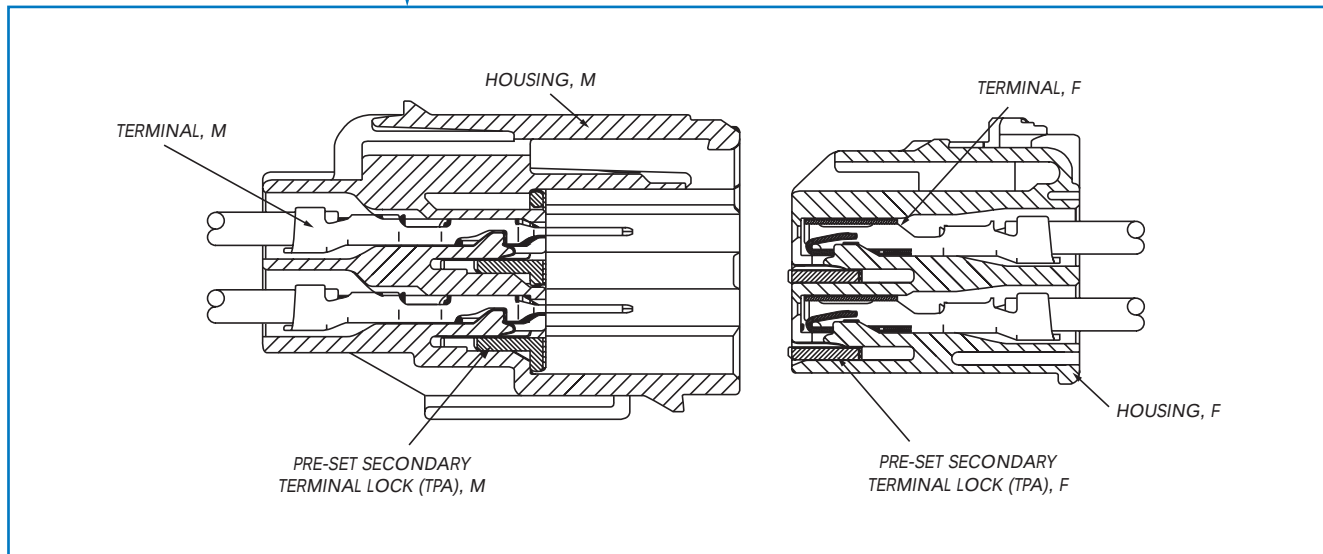
CONSTRUCTION
SPECIFICATIONS
CURRENT RATING CURVE
TERMINAL
RETAINER CLIP/BRACKET DIMENSIONS
PART NUMBER SUMMARY CHART
PHOTOS/DIMENSIONS
NAVIGATION TIPS

6.3 SERIES
UNSEALED

6.3 x 0.8

unsealed connection system

Construction

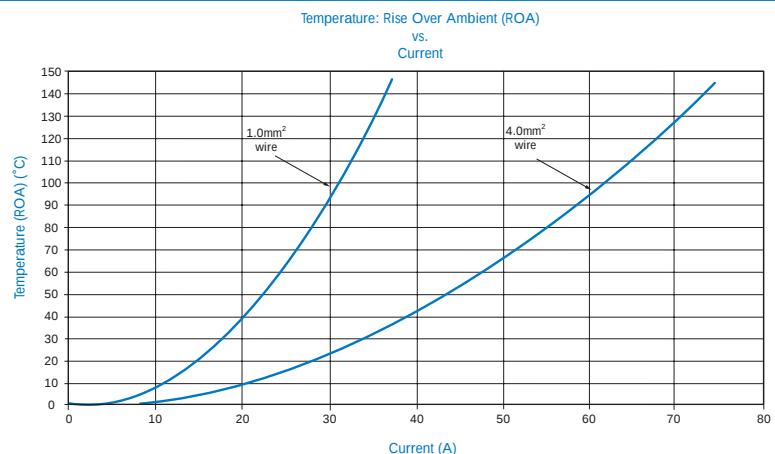


Specifications

Material	Connector	HPA
	Male Terminal	Copper Alloy (Sn Plate)
	Female Terminal	Copper Alloy (Sn Plate)
Operating Temperature Range		-40°C ~ 125°C (145°C max temp.) (USCAR Class III)
Current Capacity		(See Chart)
Voltage Drop		10mΩ Max (Term./Term.) (Crimp-To-Crimp)
Isolation Resistance		500VDC, 20MΩ Min
Dielectric Resistance		1000VAC (1 min.)
Applicable Wire Size		20AWG ~ 12AWG (0.50mm ² ~ 4.0mm ²)
Terminal Pitch		Horizontal: 8.50mm; Vertical: 7.30mm
Terminal-to-Connector Retention Force		90N Min
Connector-to-Connector Retention Force		110N Min

Current Rating Curve (Reference Only)

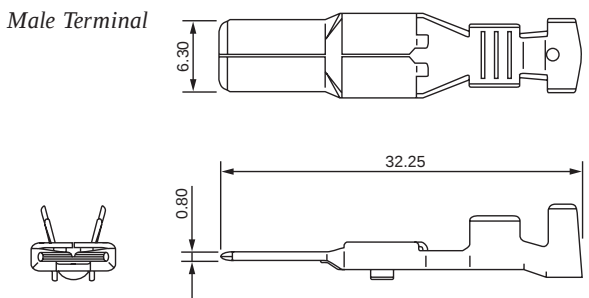
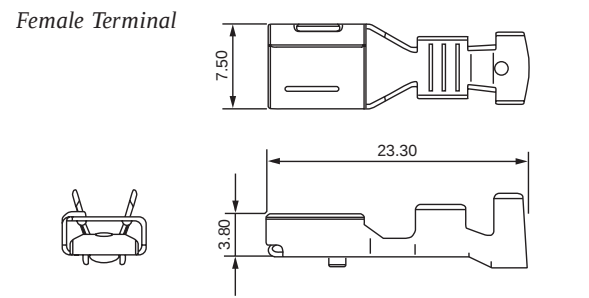
This data is based on single circuit/connector evaluation. Data should be used as reference only. Appropriate derating should be considered based upon specific application requirements.



unsealed connection system

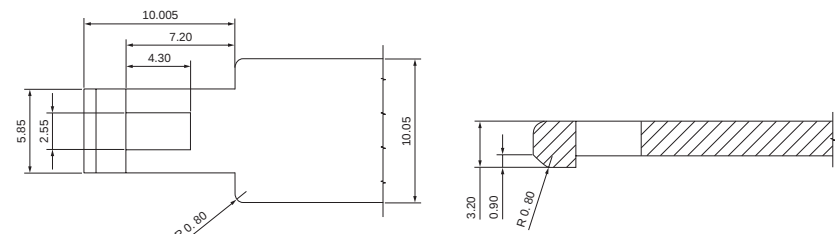
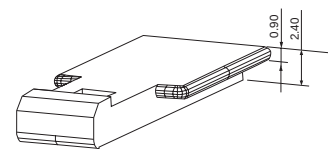
6.3 x 0.8**Terminal**

UNIT: mm

Male Terminal  Material: Copper Alloy Thickness: t=0.4			Female Terminal  Material: Copper Alloy Thickness: t=0.4		
Description	Part Number	Plating	Applicable Wire Size		
			Europe (mm ²)	U.S.A. (AWG)	Japan (mm ²)
Male Terminal	7114-4120-02	Sn	0.5 ~ 1.0	20 ~ 16	0.5 ~ 1.25
	7114-4121-02	Sn	1.5 ~ 2.5	14	2.0
	7114-4122-02	Sn	4.0	12	3.0
Female Terminal	7116-4120-02	Sn	0.5 ~ 1.0	20 ~ 16	0.5 ~ 1.25
	7116-4121-02	Sn	1.5 ~ 2.5	14	2.0
	7116-4122-02	Sn	4.0	12	3.0

Retainer Clip / Bracket Dimensions

UNIT: mm

		
Part Number		Panel Hole Requirements
7047-9580 (Ref.)		φ6.5mm

Part Number Summary Chart

Part Name	Male	Female	Pole	Polarity	Color	Male Part #	Female Part #	Female Part # (w/CPA)
Terminal	7114-4120-02	7116-4120-02	6	A	Light Grey	7282-5604-40	N/A	7283-5603-40
	7114-4121-02	7116-4121-02						
	7114-4122-02	7116-4122-02						
Applicable Clip	7047-9580 (Ref)	N/A						

***Applicable Terminal Removal Tool/Dimensions**

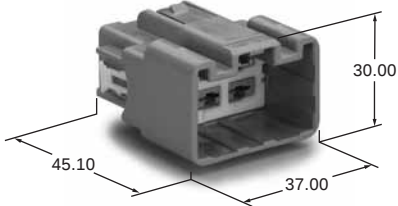
Refer to Page 68 for YES Connector Terminal Removal Tool.
Order Number: G0406 (PA Type).

6.3 x 0.8

unsealed connection system

Housing Material: HPA

UNIT: mm

Poles	Male Housing	Female Housing
6	 7282-5604-40	N/A Please check YESC KAIZEN Catalog for the mate.

YESC

CONNECTORS

6.3

SERIES

SEALED

CLICK ON YOUR SELECTION:

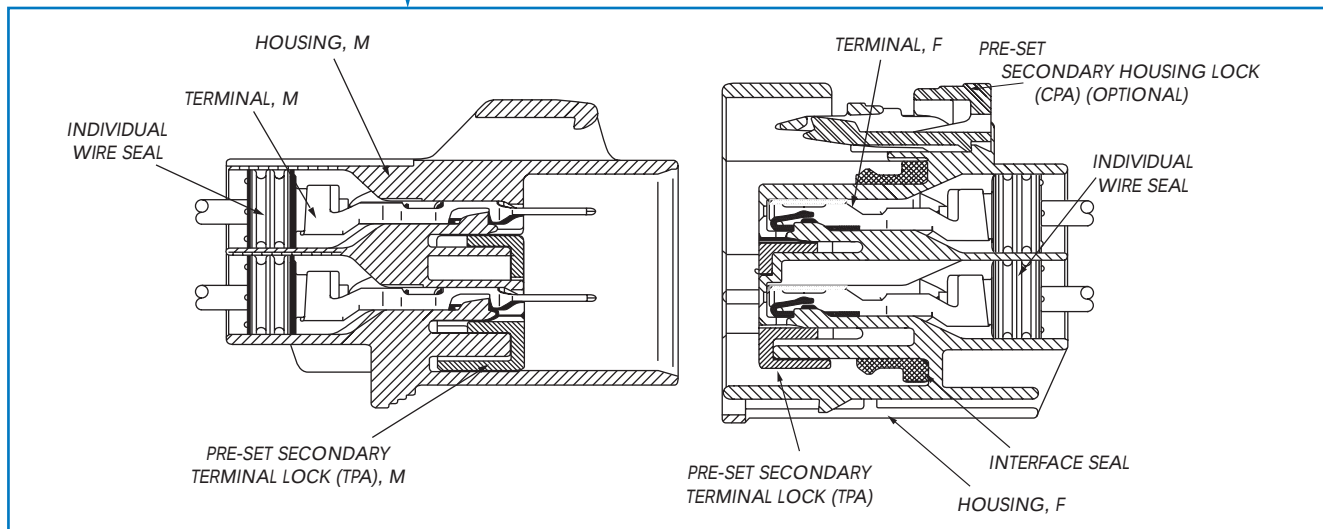
CONSTRUCTION
SPECIFICATIONS
CURRENT RATING CURVE
TERMINAL
CABLE SEAL
RETAINER CLIP/BRACKET DIMENSIONS
PART NUMBER SUMMARY CHART
PHOTOS/DIMENSIONS
NAVIGATION TIPS

6.3 SERIES
SEALED

6.3 x 0.8

sealed connection system

Construction

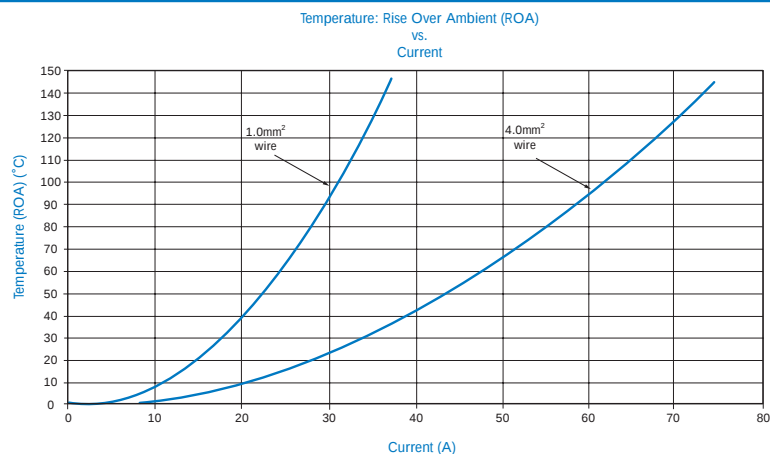


Specifications

Material	Connector	HPA
	Male Terminal	Copper Alloy (Sn Plate)
	Female Terminal	Copper Alloy (Sn Plate)
Operating Temperature Range		-40°C ~ 125°C (145°C max temp.) (USCAR Class III)
Current Capacity		(See Chart)
Voltage Drop		10mΩ Max (Term./Term.) (Crimp-To-Crimp)
Isolation Resistance		500VDC, 20MΩ Min
Dielectric Resistance		1000VAC (1 min.)
Applicable Wire Size		20AWG ~ 12AWG (0.50mm ² ~ 4.0mm ²)
Terminal Pitch		Horizontal: 9.80mm; Vertical: 9.80mm
Sealing Performance (Air Leak Pressure)		48kPa Min (Pre-Heat Soak); 28kPa (Post-Heat Soak)
Terminal-to-Connector Retention Force		90N Min
Connector-to-Connector Retention Force		110N Min

Current Rating Curve (Reference Only)

This data is based on single circuit/connector evaluation. Data should be used as reference only. Appropriate derating should be considered based upon specific application requirements.



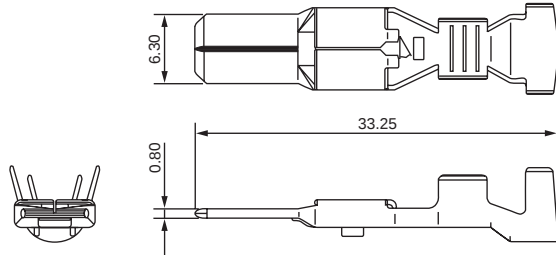
sealed connection system

6.3 x 0.8

Terminal

UNIT: mm

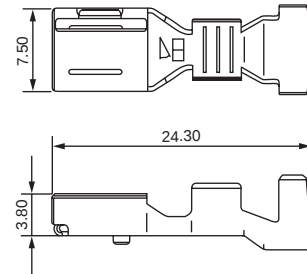
Male Terminal



Material: Copper Alloy

Thickness: t=0.4

Female Terminal



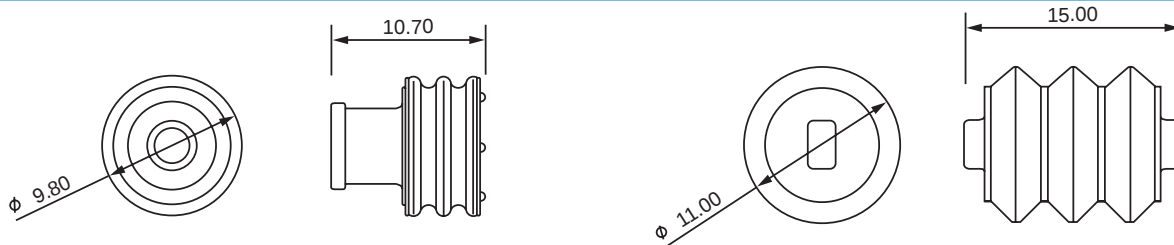
Material: Copper Alloy

Thickness: t=0.4

Description	Part Number	Plating	Applicable Wire Size		
			Europe (mm ²)	U.S.A. (AWG)	Japan (mm ²)
Male Terminal	7114-4140-02	Sn	0.5 ~ 1.0	20 ~ 16	0.5 ~ 1.25
	7114-4141-02	Sn	1.5 ~ 2.5	14	2.0
	7114-4142-02	Sn	4.0	12	3.0
Female Terminal	7116-4140-02	Sn	0.5 ~ 1.0	20 ~ 16	0.5 ~ 1.25
	7116-4141-02	Sn	1.5 ~ 2.5	14	2.0
	7116-4142-02	Sn	4.0	12	3.0

Cable Seal

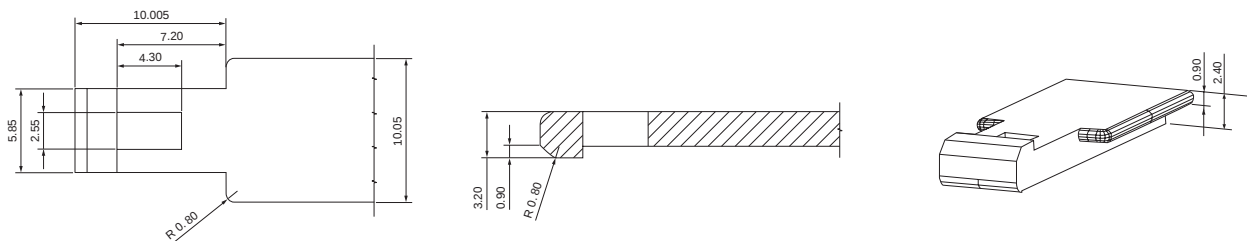
UNIT: mm



Description	Part Number	Color	Material	Wire O.D. Range
Cable Seal	7158-3081-50	Red	Silicone	1.4 ~ 2.1
	7158-3082-90	Blue	Silicone	2.18 ~ 3.0
	7158-3083	Black	Silicone	3.1 ~ 3.7
Unused Cavity Plug	7158-3080-60	Green	Silicone	N/A

Retainer Clip / Bracket Dimensions

UNIT: mm



Part Number	Panel Hole Requirements
7047-9580 (Ref.)	φ6.5mm

6.3 x 0.8

sealed connection system

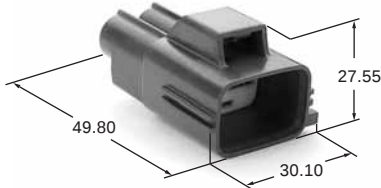
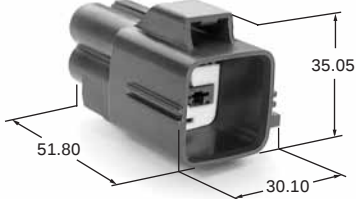
**Part Number
Summary Chart**

Part Name	Male	Female
Terminal	7114-4140-02	7116-4140-02
	7114-4141-02	7116-4141-02
	7114-4142-02	7116-4142-02
Cable Seal	7158-3081-50	
	7158-3082-90	
	7158-3083	
Unused Cavity Plug	7158-3080-60	
Applicable Clip	N/A	7047-9580 (Ref)

Pole	Polarity	Color Description	Male Part #	Female Part #	Female Part # (w/CPA)	Delete Cap
2	A	Dark Grey	7282-5596-10	7283-5596-10	7283-5928-10	
4	A	Dark Grey	7282-5595-10		7283-5929-10	

Housing Material: HPA

UNIT: mm

Poles	Male Housing	Female Housing
2	 7282-5596-10	 7283-5596-10
4	 7282-5595-10	N/A Please check YESC KAIZEN Catalog for the mate.

***Applicable Terminal Removal Tool/Dimensions**

Refer to Page 81 for YES Connector Terminal Removal Tool.
Order Number: G0406 (PA Type).



CONNECTORS

Hybrid SERIES

CLICK ON YOUR SELECTION:

[SPECIFICATIONS](#)

[TERMINAL](#)

[RETAINER CLIP/BRACKET DIMENSIONS](#)

[PART NUMBER SUMMARY CHART](#)

[PHOTOS/DIMENSIONS](#)

[NAVIGATION TIPS](#)

HYBRID
SERIES

HYBRID

connection system

Specifications

Material	Connector	HPA
	Male Terminal	Copper Alloy (Sn/Au Plate)
	Female Terminal	Copper Alloy (Sn/Au Plate)
Operating Temperature Range		-40°C ~100°C (120°C max temp.) (USCAR Class II)
Operating Temperature Range		-40°C ~125°C (145°C max temp.) (USCAR Class III)
Current Capacity		(See Chart)
Voltage Drop		10mΩ Max (Term./Term.) (Crimp-To-Crimp)
Isolation Resistance		500VDC, 20MΩ Min
Dielectric Resistance		1000VAC (1 min.)
Applicable Wire Size		See Specific Connector Section
Terminal-to-Connector Retention Force		See Specific Connector Section
Connector-to-Connector Retention Force		See Specific Connector Section

Terminal

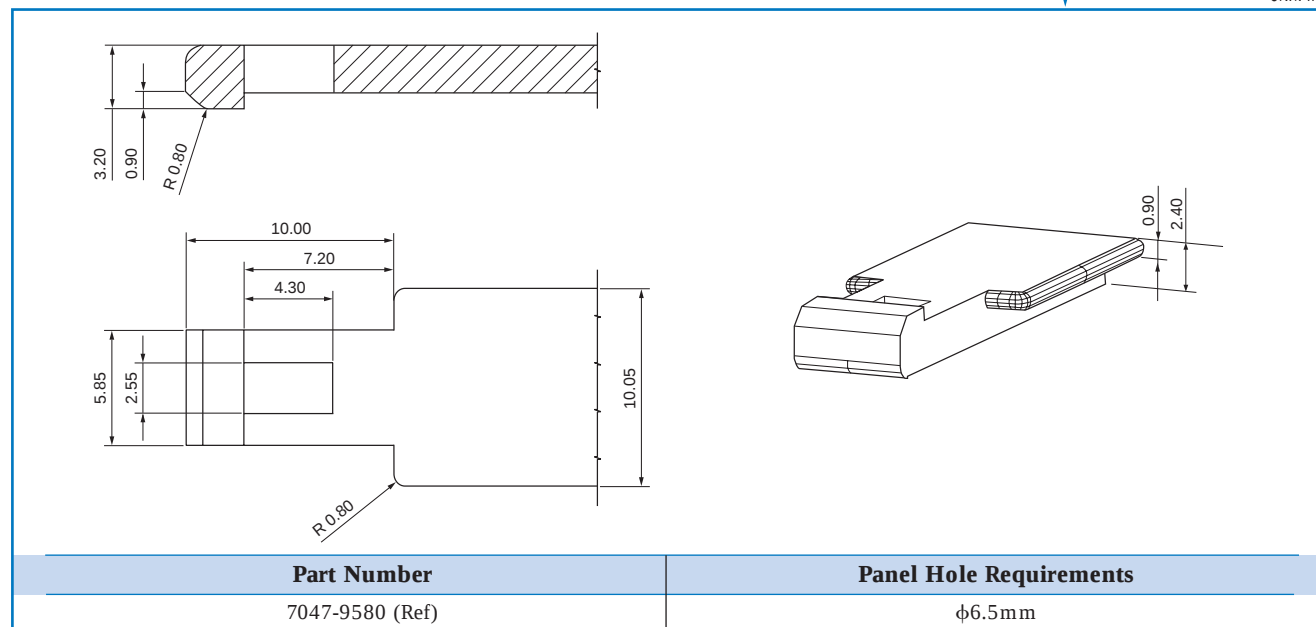
Description		Part Number	Plating	Applicable Wire Size		
				Europe (mm ²)	U.S.A. (AWG)	Japan (mm ²)
Male Terminal	0.64mm	7114-4720-02/-08	Sn/Au	0.35	22	0.3
		7114-4721-02/-08	Sn/Au	0.5 ~ 0.75	20 ~ 18	0.5 ~ 0.8
	1.5mm	7114-4100-02/-08	Sn/Au	0.35 ~ 0.5	22 ~ 20	0.3 ~ 0.5
		7114-4101-02/-08	Sn/Au	0.75 ~ 1.0	18 ~ 16	0.85 ~ 1.25
	2.8mm	7114-4110-02	Sn	0.35 ~ 0.5	22 ~ 20	0.3 ~ 0.5
		7114-4111-02	Sn	0.75 ~ 1.0	18 ~ 16	0.85 ~ 1.25
		7114-4112-02	Sn	1.5 ~ 2.5	14	2.0
	6.3mm	7114-4120-02	Sn	0.5 ~ 1.0	20 ~ 16	0.5 ~ 1.25
		7114-4121-02	Sn	1.5 ~ 2.5	14	2.0
		7114-4122-02	Sn	4.0	12	3.0
Female Terminal	0.64mm	7116-4720-02/-08	Sn/Au	0.35	22	0.3
		7116-4721-02/-08	Sn/Au	0.5 ~ 0.75	20 ~ 18	0.5 ~ 0.8
	1.5mm	7116-4100-02/-08	Sn/Au	0.35 ~ 0.5	22 ~ 20	0.3 ~ 0.5
		7116-4101-02/-08	Sn/Au	0.75 ~ 1.0	18 ~ 16	0.85 ~ 1.25
	2.8mm	7116-4110-02	Sn	0.35 ~ 0.5	22 ~ 20	0.3 ~ 0.5
		7116-4111-02	Sn	0.75 ~ 1.0	18 ~ 16	0.85 ~ 1.25
		7116-4112-02	Sn	1.5 ~ 2.5	14	2.0
	6.3mm	7116-4120-02	Sn	0.5 ~ 1.0	20 ~ 16	0.5 ~ 1.25
		7116-4121-02	Sn	1.5 ~ 2.5	14	2.0
		7116-4122-02	Sn	4.0	12	3.0

connection system

HYBRID

Retainer Clip / Bracket Dimensions

UNIT: mm



Part Number Summary Chart

Part Name		Male	Female
Terminal	0.64mm	7114-4720-02	7116-4720-02
		7114-4721-02	7116-4721-02
		7114-3286-08	7116-4721-08
		7114-3287-08	7116-4721-08
	1.5mm	7114-4100-02/-08	7116-4100-02/-08
		7114-4101-02/-08	7116-4101-02/-08
	2.8mm	7114-4110-02	7116-4110-02
		7114-4111-02	7116-4111-02
		7114-4112-02	7116-4112-02
	6.3mm	7114-4120-02	7116-4120-02
		7114-4121-02	7116-4121-02
		7114-4122-02	7116-4122-02
Applicable Clip		7047-9580 (Ref)	N/A

HYBRID

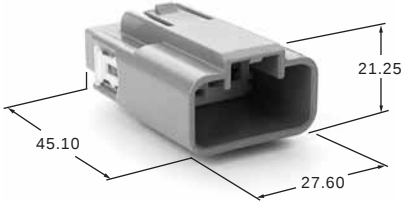
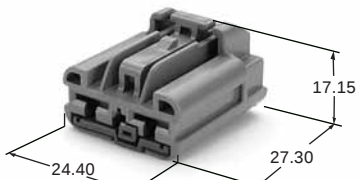
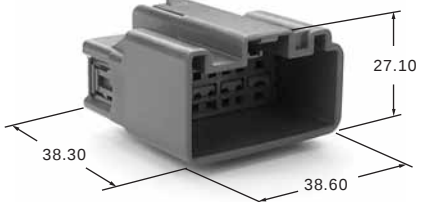
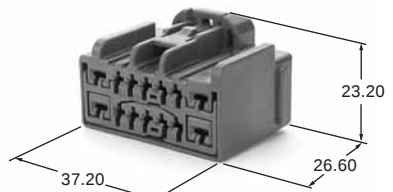
connection system

Part Number Summary Chart (cont.)

Pole	Polarity	Color/Description	Male Part #	Female Part #	Female Part # w/(CPA)
3	A	Light Grey 1x1.5, 2x6.3	7282-5628-40	7283-5628-40	
10	A	Light Grey 6x1.5, 4x2.8			7283-5637-40
13	A	Light Grey 11x2.8, 2x6.3	7282-5625-40	7283-5625-40	7283-5643-40
14	A	Light Grey 10x1.5, 4x2.8			7283-5639-40
14	B	Green 10x1.5, 4x2.8	7282-5623-60	7283-5623-60	
14	B	Black 10x1.5, 4x2.8	7282-5623-30	7283-5623-30	
14	C	Blue 10x1.5, 4x2.8	7282-5624-90	7283-5624-90	
14	C	Brown 10x1.5, 4x2.8	7282-5624-80	7283-5624-80	

Housing Material: HPA

UNIT: mm

Poles	Male Housing	Female Housing
3	 7282-5628-40	 7283-5628-40
14	 7282-5623-60	 7283-5623-60
14	 7282-5624-90	 7283-5624-90

*Applicable Terminal Removal Tool/Dimensions

Refer to Page 68 for YES Connector Terminal Removal Tool. Order Number: 49YA00105 (for 0.64 terminal), X39899-J374 (for 1.5 and 2.8 terminal) and G0406 (PA Type) (for 6.3 terminal).

YESC

CONNECTORS

Header SERIES

CLICK ON YOUR SELECTION:

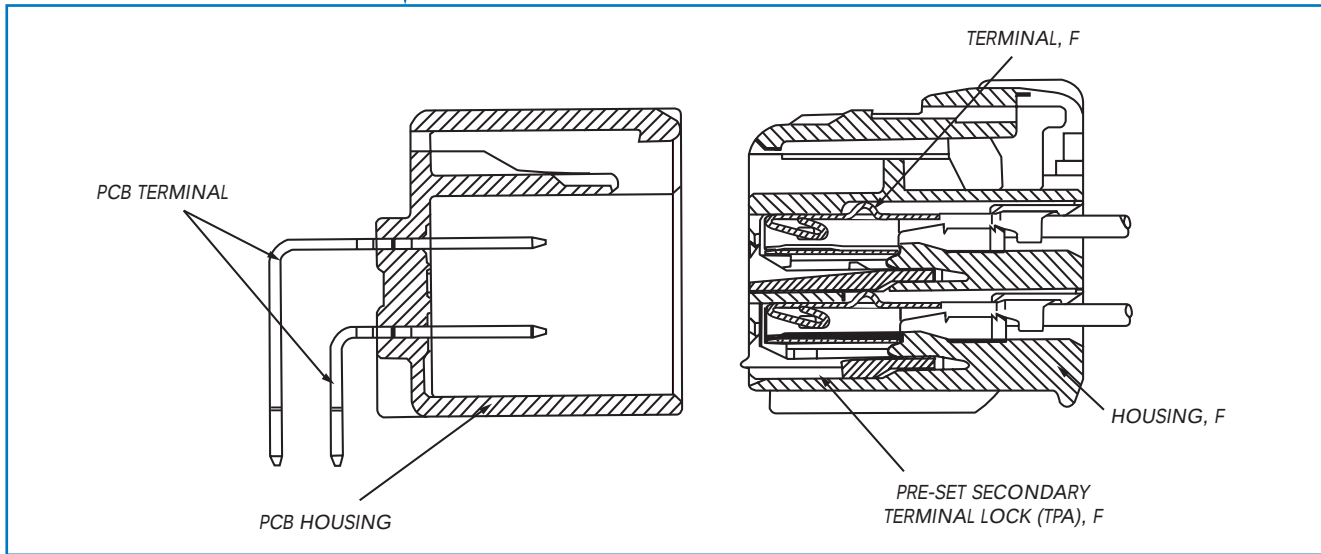
CONSTRUCTION
SPECIFICATIONS
CURRENT RATING CURVE
TERMINAL
PART NUMBER SUMMARY CHART
PHOTOS/DIMENSIONS
NAVIGATION TIPS

HEADER
SERIES

HEADER

connection system

Construction



Specifications

Material	Connector	See Section
	Male Terminal	Brass
	Female Terminal	Copper Alloy (Sn/Au Plate)
Operating Temperature Range		-40°C ~100°C (125°C max temp.) (USCAR Class II)
Current Capacity		(See Chart)
Voltage Drop		10mΩ Max (Term./Term.)
Isolation Resistance		500VDC, 20MΩ Min
Dielectric Resistance		1000VAC (1 min.)
Terminal-to-Connector Retention Force		90N Min
Connector-to-Connector Retention Force		110N Min

Current Rating Curve

SEE APPLICABLE BLADE SIZE SECTION

connection system

HEADER

Terminal

UNIT: mm

Male PCB Terminal			Female Terminal			
PURCHASED IN ASSEMBLY			SEE APPLICABLE BLADE SIZE SECTION			
Material: Brass			Material: Copper Alloy		Thickness: t=0.3	
Description	Part Number	Plating	Applicable Wire Size			
			Europe (mm ²)	U.S.A. (AWG)	Japan (mm ²)	
Male Terminal	N/A					
Female Terminal	1.5mm	7116-4100-02	Sn	0.35 ~ 0.5	22 ~ 20	0.3 ~ 0.5
		7116-4101-02	Sn	0.75 ~ 1.0	18 ~ 16	0.85 ~ 1.25
		7116-4100-08	Au	0.35 ~ 0.5	22 ~ 20	0.3 ~ 0.5
		7116-4101-08	Au	0.75 ~ 1.0	18 ~ 16	0.85 ~ 1.25
	2.8mm	7116-4110-02	Sn	0.35 ~ 0.5	22 ~ 20	0.3 ~ 0.5
		7116-4111-02	Sn	0.75 ~ 1.0	18 ~ 16	0.85 ~ 1.25
		7116-4112-02	Sn	1.5 ~ 2.5	14	2.0
	6.3mm	7116-4120-02	Sn	0.5 ~ 1.0	20 ~ 16	0.5 ~ 1.25
		7116-4121-02	Sn	1.5 ~ 2.5	14	2.0
		7116-4122-02	Sn	4.0	12	3.0

HEADER

connection system

Part Number Summary Chart

Part Name		Male	Female
Terminal	1.5mm	N/A	7116-4100-02
		N/A	7116-4101-02
		N/A	7116-4100-08
		N/A	7116-4101-08
	2.8mm	N/A	7116-4110-02
		N/A	7116-4111-02
		N/A	7116-4112-02
	6.3mm	N/A	7116-4120-02
		N/A	7116-4121-02
		N/A	7116-4122-02

Pole	Polarity	Color/Description	Male Part #	YESC KAIZEN Female Part #	Female Part # w/(CPA)
2	A	Light Grey 6.3mm Header	7382-5597-40	7283-6458-40	7283-5601-40
2	A	Black 6.3mm Header	7382-5608-30	7283-6458-40	7283-5601-40
10	A	Light Grey 1.5mm Header	7382-5884-40	7283-6455-40	7283-5909-40
10	B	Black 1.5mm Header	7382-6379-30	7283-6455-40	7283-5909-40
12	A	Light Grey 2.8mm H-Header	7382-5568-40	7283-6467-40	7283-5916-40
12	A	Black 1.5mm Header	7382-5957-30	7382-5957-30	7283-5940-40
14	A	Light Grey Hybrid 10x1.5, 4x2.8	7382-5627-40	7283-6447-40	7283-5639-40
16	A	Green/Config 1 1.5mm Header	7382-5551-60	7283-6453-60	7283-5941-60
16	A	Green/Config 2 1.5mm Header	7382-5681-60	7283-6453-60	
16	A	Green/Config 3 1.5mm Header	7382-5682-60	7283-6453-60	
32	A	Black 1.5mm Header	7382-5552-30	7283-6456-90 7283-3585-40	
32	B	Light Grey 1.5mm Header	7382-5881-40	7283-6456-90 7283-3585-40	

*Applicable Terminal Removal Tool/Dimensions

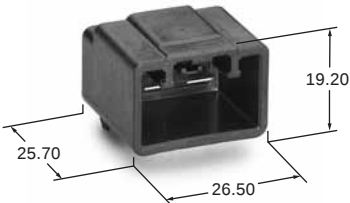
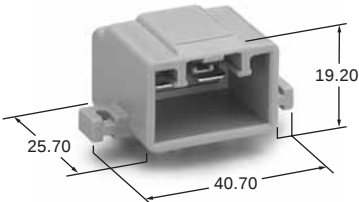
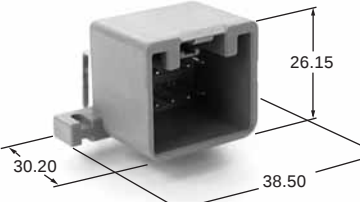
Refer to Page 68 for YES Connector Terminal Removal Tool.

Order Number: X39899-J374 (for 1.5 and 2.8 terminal) and G0406 (PA Type) (for 6.3 terminal).

connection system

HEADER**Housing Material: PPA-GF16****Material: HPA**

UNIT: mm

Poles	Male Housing	Female Housing
2	 7382-5608-30	SEE YESC KAIZEN CATALOG FOR MATES
2	 7382-5597-40	SEE YESC KAIZEN CATALOG FOR MATES
10	 7382-5884-40	SEE YESC KAIZEN CATALOG FOR MATES
10	 7382-6379-30	SEE YESC KAIZEN CATALOG FOR MATES
12	 7382-5957-30	SEE YESC KAIZEN CATALOG FOR MATES
12	 7382-5568-40	SEE YESC KAIZEN CATALOG FOR MATES

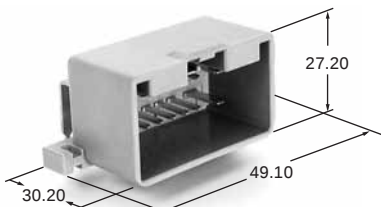
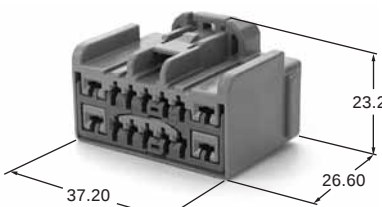
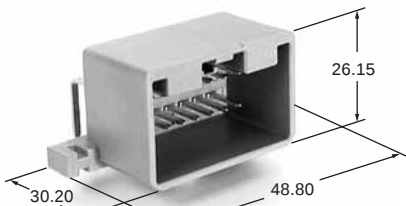
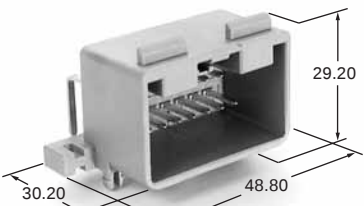
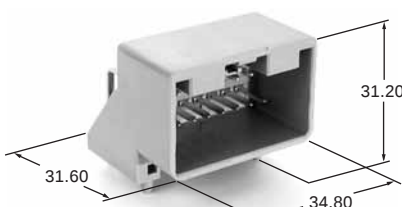
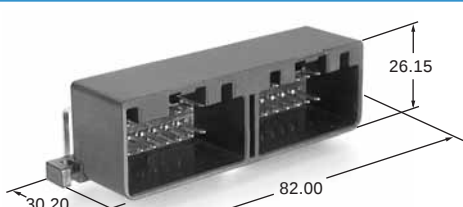
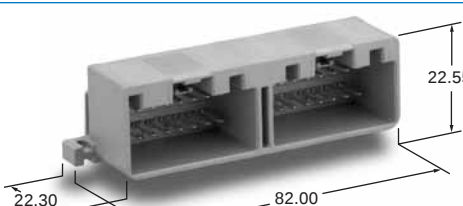
HEADER

connection system

Housing Material: PPA-GF16

Material: HPA

UNIT: mm

Poles	Male Housing	Female Housing
14	 7382-5627-40	 7283-5622-40
16	 7382-5551-60	SEE YESC KAIZEN CATALOG FOR MATES
16	 7382-5681-60	SEE YESC KAIZEN CATALOG FOR MATES
16	 7382-5682-60	SEE YESC KAIZEN CATALOG FOR MATES
32	 7382-5552-30	SEE YESC KAIZEN CATALOG FOR MATES
32	 7382-5881-40	SEE YESC KAIZEN CATALOG FOR MATES

YESC

CONNECTORS

Specialty

SERIES

UNSEALED

CLICK ON YOUR SELECTION:

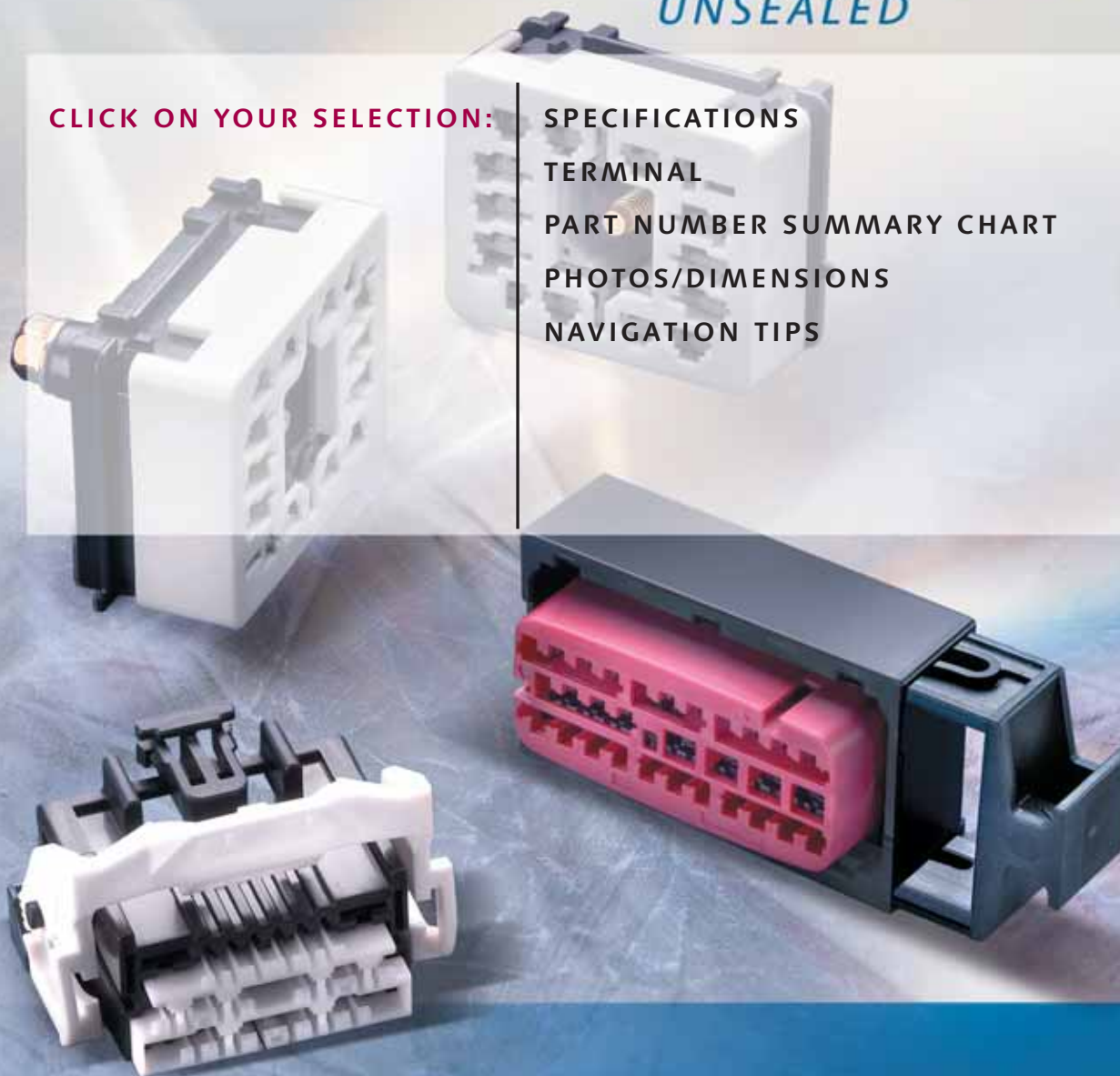
SPECIFICATIONS

TERMINAL

PART NUMBER SUMMARY CHART

PHOTOS/DIMENSIONS

NAVIGATION TIPS



SPECIALTY
SERIES
UNSEALED

SPECIALTY SERIES

unsealed connection system

Specifications

Material	Connector	HPA
	Male Terminal	Copper Alloy (Sn/Au Plate)
	Female Terminal	Copper Alloy (Sn/Au Plate)
Operating Temperature Range		-40°C ~100°C (120°C max temp.) (USCAR Class II)
Operating Temperature Range		-40°C ~125°C (145°C max temp.) (USCAR Class III)
Current Capacity		(See Chart)
Voltage Drop		10mΩ Max (Term./Term.) (Crimp-To-Crimp)
Isolation Resistance		500VDC, 20MΩ Min
Dielectric Resistance		1000VAC (1 min.)
Applicable Wire Size		See Specific Connector Section
Terminal-to-Connector Retention Force		See Specific Connector Section
Connector-to-Connector Retention Force		See Specific Connector Section

Terminal

Description		Part Number	Plating	Applicable Wire Size		
				Europe (mm ²)	U.S.A. (AWG)	Japan (mm ²)
Male Terminal	0.64mm	7114-4720-02	Sn	0.35	22	0.3
		7114-4721-02	Sn	0.5 ~ 0.75	20 ~ 18	0.5 ~ 0.8
		7114-3286-08	Au	0.35	22	0.3
		7114-3287-08	Au	0.5 ~ 0.75	20 ~ 18	0.5 ~ 0.8
	1.5mm	7114-4100-02/-08	Sn/Au	0.35 ~ 0.5	22 ~ 20	0.3 ~ 0.5
		7114-4101-02/-08	Sn/Au	0.75 ~ 1.0	18 ~ 16	0.85 ~ 1.25
	2.8mm	7114-4110-02	Sn	0.35 ~ 0.5	22 ~ 20	0.3 ~ 0.5
		7114-4111-02	Sn	0.75 ~ 1.0	18 ~ 16	0.85 ~ 1.25
		7114-4112-02	Sn	1.5 ~ 2.5	14	2.0
	6.3mm	7114-4120-02	Sn	0.5 ~ 1.0	20 ~ 16	0.5 ~ 1.25
		7114-4121-02	Sn	1.5 ~ 2.5	14	2.0
		7114-4122-02	Sn	4.0	12	3.0
Female Terminal	0.64mm	7116-4720-02/-08	Sn/Au	0.35	22	0.3
		7116-4721-02/-08	Sn/Au	0.5 ~ 0.75	20 ~ 18	0.5 ~ 0.8
	1.5mm	7116-4100-02/-08	Sn/Au	0.35 ~ 0.5	22 ~ 20	0.3 ~ 0.5
		7116-4101-02/-08	Sn/Au	0.75 ~ 1.0	18 ~ 16	0.85 ~ 1.25
	2.8mm	7116-4110-02	Sn	0.35 ~ 0.5	22 ~ 20	0.3 ~ 0.5
		7116-4111-02	Sn	0.75 ~ 1.0	18 ~ 16	0.85 ~ 1.25
		7116-4112-02	Sn	1.5 ~ 2.5	14	2.0
	6.3mm	7116-4120-02	Sn	0.5 ~ 1.0	20 ~ 16	0.5 ~ 1.25
		7116-4121-02	Sn	1.5 ~ 2.5	14	2.0
		7116-4122-02	Sn	4.0	12	3.0

unsealed connection system

SPECIALTY SERIES

Part Number Summary Chart

Part Name		Male	Female
Terminal	0.64mm	7114-4720-02	7116-4720-02
		7114-4721-02	7116-4721-02
		7114-3286-08	7116-4720-08
		7114-3287-08	7116-4721-08
	1.5mm	7114-4100-02/-08	7116-4100-02/-08
		7114-4101-02/-08	7116-4101-02/-08
	2.8mm	7114-4110-02	7116-4110-02
		7114-4111-02	7116-4111-02
		7114-4112-02	7116-4112-02
	6.3mm	7114-4120-02	7116-4120-02
		7114-4121-02	7116-4121-02
		7114-4122-02	7116-4122-02
Applicable Clip		7047-9580 (Ref)	N/A

Specialty	Pole	Polarity	Color/Description	Male Part #	Female Part #	Wire Shield
<i>Axial Adjustable</i>	12	A	Black 12x1.5	7282-4848-30	7283-4848-30	
<i>Bolt Assist</i>	26	A	Black 20x2.8, 6x6.3/HPA		7283-5631-30	
	26	B	Light Grey 20x2.8, 6x6.3/HPA		7283-5632-40	
	36	A	Black 20x1.5, 12x2.8, 4x6.3/PBT		7283-4846-30	7134-4691
	68	A	Black 56x1.5, 8x2.8, 4x6.3/PBT		7283-4847-30	7134-4692
<i>LIF</i>	15	A	Black 9x2.8, 6x6.3	N/A	7283-6372-30	
	15	B	Natural 9x2.8, 6x6.3	N/A	7283-6373	
	26	A	Light Grey 22x1.5, 2x2.8, 2x6.3	N/A	7283-6436-40	
	26	B	Blue 22x1.5, 2x2.8, 2x6.3	N/A	7283-6437-90	
	26	C	Green 22x1.5, 2x2.8, 2x6.3	N/A	7283-6438-60	
	26	A	Black 22x1.5, 2x2.8, 2x6.3	7282-6376-30	7283-6376-30	
	26	A	Black 22x1.5, 2x2.8, 2x6.3	7282-6537-30	7283-6537-30	
	26	B	Natural 22x1.5, 2x2.8, 2x6.3	7282-8390	7283-8390	
	26	C	Light Grey 22x1.5, 2x2.8, 2x6.3	7282-8391-40	7283-8391-40	
	26	D	Green 22x1.5, 2x2.8, 2x6.3	7282-8392-60	7283-8392-60	
	26	E	Brown 22x1.5, 2x2.8, 2x6.3	7282-8393-80	7283-8393-80	

*Applicable Terminal Removal Tool/Dimensions

Refer to Page 70-71 for YES Connector Terminal Removal Tool.

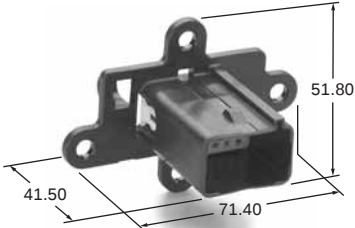
Order Number: 49YA00105 (for 0.64 terminal), X39899-J374 (for 1.5 and 2.8 terminal) and G0406 (PA Type) (for 6.3 terminal).

SPECIALTY SERIES

unsealed connection system

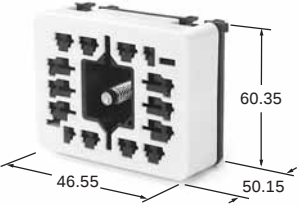
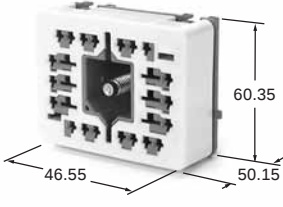
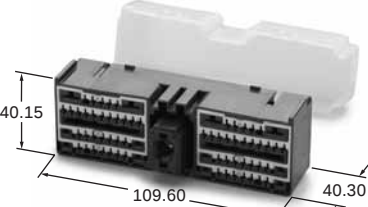
Axial Adjustable Housing Material: PBT

UNIT: mm

Poles	Male Housing	Female Housing
12	 7282-4848-30	 7283-4848-30

Bolt Assist Housing Material: HPA / PBT

UNIT: mm

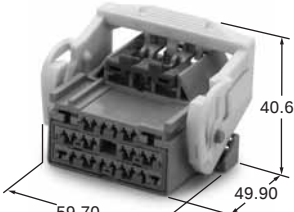
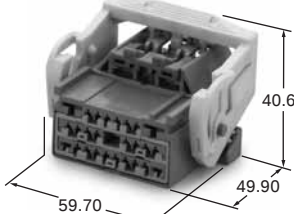
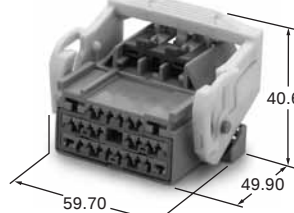
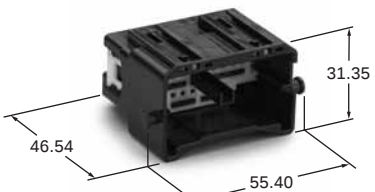
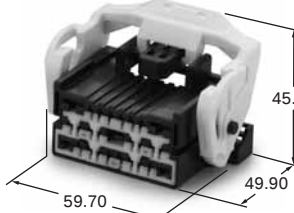
Poles	Male Housing	Female Housing
26	N/A	 7283-5631-30
26	N/A	 7283-5632-40
36	N/A	 7283-4846-30
68	N/A	 7283-4847-30

unsealed connection system

SPECIALTY SERIES

LIF
Housing Material: PBT

UNIT: mm

Poles	Male Housing	Female Housing
15	N/A	 7283-6372-30
15	N/A	 7283-6373
26	N/A	 7283-6436-40
26	N/A	 7283-6437-90
26	N/A	 7283-6438-60
26	 7282-6376-30	 7283-6376-30



CONNECTORS

Specialty SERIES SEALED

CLICK ON YOUR SELECTION:

[SPECIFICATIONS](#)

[TERMINAL](#)

[CABLE SEAL](#)

[PART NUMBER SUMMARY CHART](#)

[PHOTOS/DIMENSIONS](#)

[NAVIGATION TIPS](#)



SPECIALTY
SERIES
SEALED

SPECIALTY SERIES

sealed connection system

Specifications

Material	Connector	See Section
	Male Terminal	Copper Alloy (Sn Plate)
	Female Terminal	Copper Alloy (Sn Plate)
Operating Temperature Range		-40°C ~125°C (145°C max temp.) (USCAR Class III)
Isolation Resistance		500VDC, 20MΩ Min
Dielectric Resistance		1000VAC (1 min.)
Applicable Wire Size		22AWG ~ 16AWG (0.35mm ² ~ 1.0mm ²)
Terminal Pitch		Horizontal: 5.50mm; Vertical: N/A
Sealing Performance (Air Leak Pressure)		48kPa Min (Pre-Heat Soak); 28kPa (Post-Heat Soak)
Terminal-to-Connector Retention Force		90N Min
Connector-to-Connector Retention Force		110N Min

Terminal

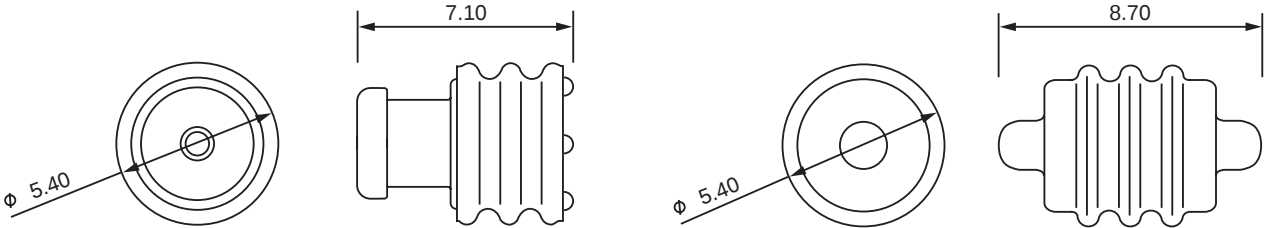
Description		Part Number	Plating	Applicable Wire Size		
				Europe (mm ²)	U.S.A. (AWG)	Japan (mm ²)
Male Terminal	0.64mm	7114-4720-02	Sn	0.35	22	0.3
		7114-4721-02	Sn	0.5 ~ 0.75	20 ~ 18	0.5 ~ 0.8
		7114-3286-08	Au	0.35	22	0.3
		7114-3287-08	Au	0.5 ~ 0.75	20 ~ 18	0.5 ~ 0.8
	1.5mm	7114-4102-02/-08	Sn/Au	0.35 ~ 0.5	22 ~ 20	0.3 ~ 0.5
		7114-4103-02/-08	Sn/Au	0.75 ~ 1.0	18 ~ 16	0.85 ~ 1.25
	2.8mm	7114-4150-02	Sn	0.35 ~ 0.5	22 ~ 20	0.3 ~ 0.5
		7114-4151-02	Sn	0.75 ~ 1.0	18 ~ 16	0.85 ~ 1.25
		7114-4152-02	Sn	1.5 ~ 2.5	14	2
	6.3mm	7114-4140-02	Sn	0.5 ~ 1.0	20 ~ 16	0.5 ~ 1.25
		7114-4141-02	Sn	1.5 ~ 2.5	14	2.0
		7114-4142-02	Sn	4.0	12	3.0
Female Terminal	0.64mm	7116-4720-02/-08	Sn/Au	0.35	22	0.3
		7116-4721-02/-08	Sn/Au	0.5 ~ 0.75	20 ~ 18	0.5 ~ 0.85
	1.5mm	7116-4102-02/-08	Sn/Au	0.35 ~ 0.5	22 ~ 20	0.3 ~ 0.5
		7116-4103-02/-08	Sn/Au	0.75 ~ 1.0	18 ~ 16	0.85 ~ 1.25
	2.8mm	7116-4150-02	Sn	0.35 ~ 0.5	22 ~ 20	0.3 ~ 0.5
		7116-4151-02	Sn	0.75 ~ 1.0	18 ~ 16	0.85 ~ 1.25
		7116-4152-02	Sn	1.5 ~ 2.5	14	2.0
	6.3mm	7116-4140-02	Sn	0.5 ~ 1.0	20 ~ 16	0.5 ~ 1.25
		7116-4141-02	Sn	1.5 ~ 2.5	14	2.0
		7116-4142-02	Sn	4.0	12	3.0

sealed connection system

SPECIALTY SERIES

Lamp Socket Cable Seal

UNIT: mm

				
Description	Part Number	Color	Material	Wire O.D. Range
Cable Seal (Female Only)	7158-3030-50	Red	Silicone	1.19 ~ 1.70
	7158-3031-90	Blue	Silicone	1.60 ~ 2.34
Unused Cavity Plug	7158-3032-60	Green	Silicone	N/A

SPECIALTY SERIES

sealed connection system

Part Number Summary Chart

Part Name		Male	Female
Terminal	0.64mm	7114-4720-02	7116-4720-02
		7114-4721-02	7116-4721-02
		7114-3286-08	7116-4720-08
		7114-3287-08	7116-4721-08
	1.5mm	7114-4102-02/-08	7116-4102-02/-08
		7114-4103-02/-08	7116-4103-02/-08
	2.8mm	7114-4150-02	7116-4150-02
		7114-4151-02	7116-4151-02
		7114-4152-02	7116-4152-02
	6.3mm	7114-4140-02	7116-4140-02
		7114-4141-02	7116-4141-02
		7114-4142-02	7116-4142-02
Cable Seal	Lamp Socket	7158-3030-50	
		7158-3031-90	
Unused Cavity Plug	Lamp Socket	7158-3032-60	

Specialty	Pole	Polarity	Color/Description	Male Part #	Female Part #
CAM Lever	30		Black #7, #9-11, #17-19 & #26-28 Pin Neg.	N/A	7283-5635-30
	30		Black	N/A	7283-5810-30
	30		Black	N/A	7283-5875-30
Lamp Socket	2	A	Axial 1.5mm	7341-5270-40	7283-5689-30
	2	A	Right Angle 1.5mm	7341-5271-40	7283-5689-30
	2	A	Axial 1.5mm	7341-5272-40	7283-5689-30
Fuel Injector	2		Black 1.5mm/PBT	N/A	N/A
	2		Black 1.5mm/HPA	N/A	7283-6430-30
	2		Black 1.5mm/HPA	N/A	7283-6647-30
	2		Black 1.5mm/PBT	N/A	7283-8492-30

*Applicable Terminal Removal Tool/Dimensions

Refer to Page 70-71 for YES Connector Terminal Removal Tool.

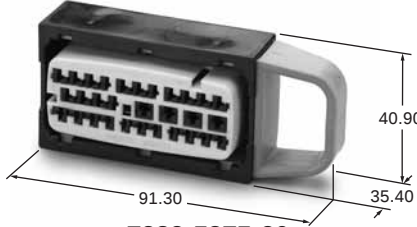
Order Number: 49YA00105 (for 0.64 terminal), X39899-J374 (for 1.5 and 2.8 terminal) and G0406 (PA Type) (for 6.3 terminal).

sealed connection system

SPECIALTY SERIES

CAM Lever Housing Material: HPA

UNIT: mm

Poles	Male Housing	Female Housing
30	N/A	 7283-5635-30
30	N/A	 7283-5810-30
30	N/A	 7283-5875-30

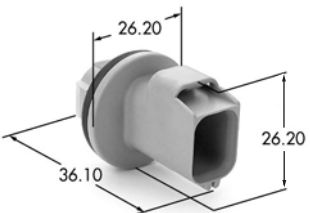
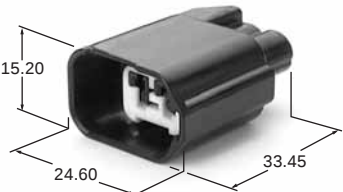
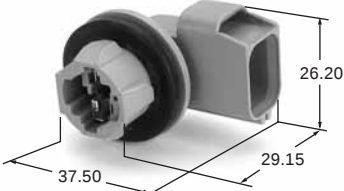
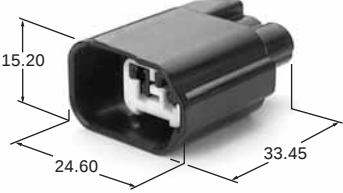
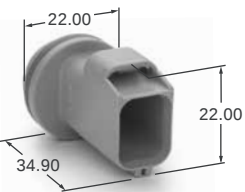
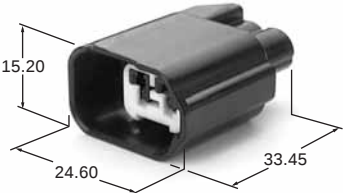
SPECIALTY SERIES

sealed connection system

Lamp Socket
Housing Material: **Nylon PA66**

Material: **HPA**

UNIT: mm

Poles	Male Housing	Female Housing
2	 7341-5270-40	 7283-5689-30
2	 7341-5271-40	 7283-5689-30
2	 7341-5272-40	 7283-5689-30

sealed connection system

SPECIALTY SERIES

Fuel Injector Housing Material: PBT / HPA

UNIT: mm

Poles	Male Housing	Female Housing
2	N/A	 7283-6430-30
2	N/A	 7283-6647-30
2		 7283-8492-30



CONNECTORS

Terminal REMOVAL

CLICK ON YOUR SELECTION:

TOOL FOR 0.64 SERIES

TOOL FOR 1.5 AND 2.8 SERIES

TOOL FOR 6.3 AND 9.5 SERIES

NAVIGATION TIPS

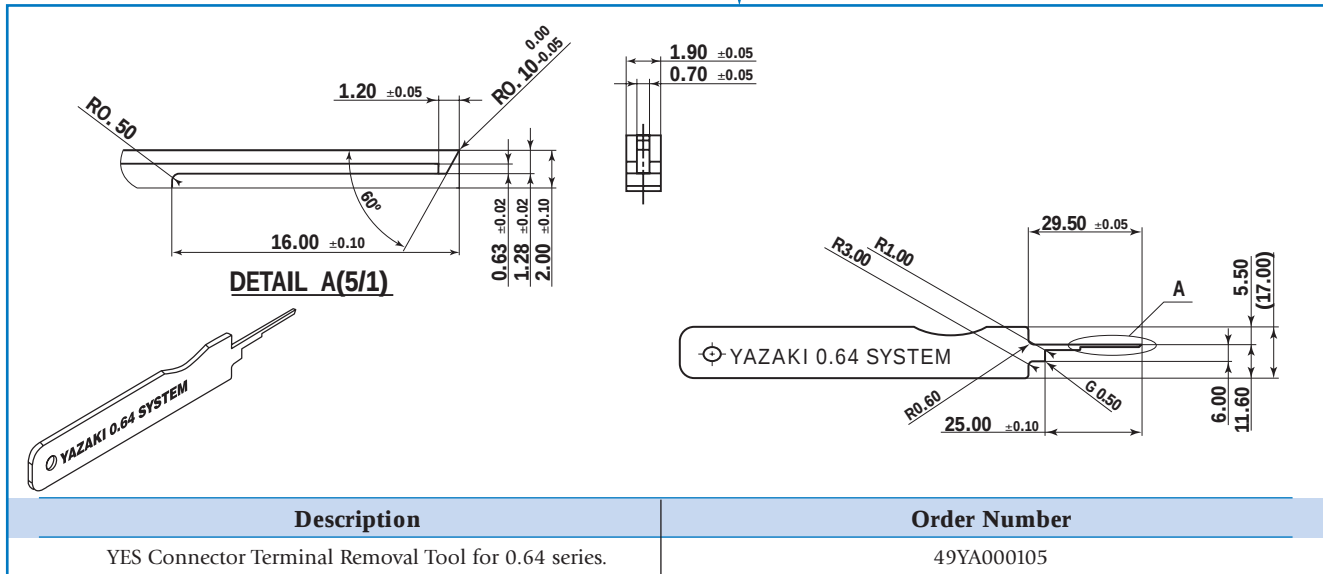


TERMINAL
REMOVAL

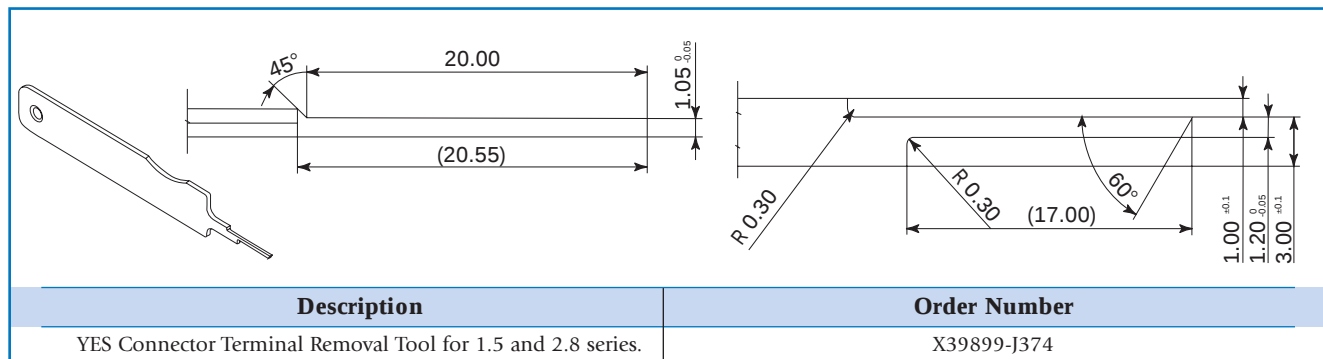
TERMINAL REMOVAL

Applicable Terminal Removal Tool/Dimensions

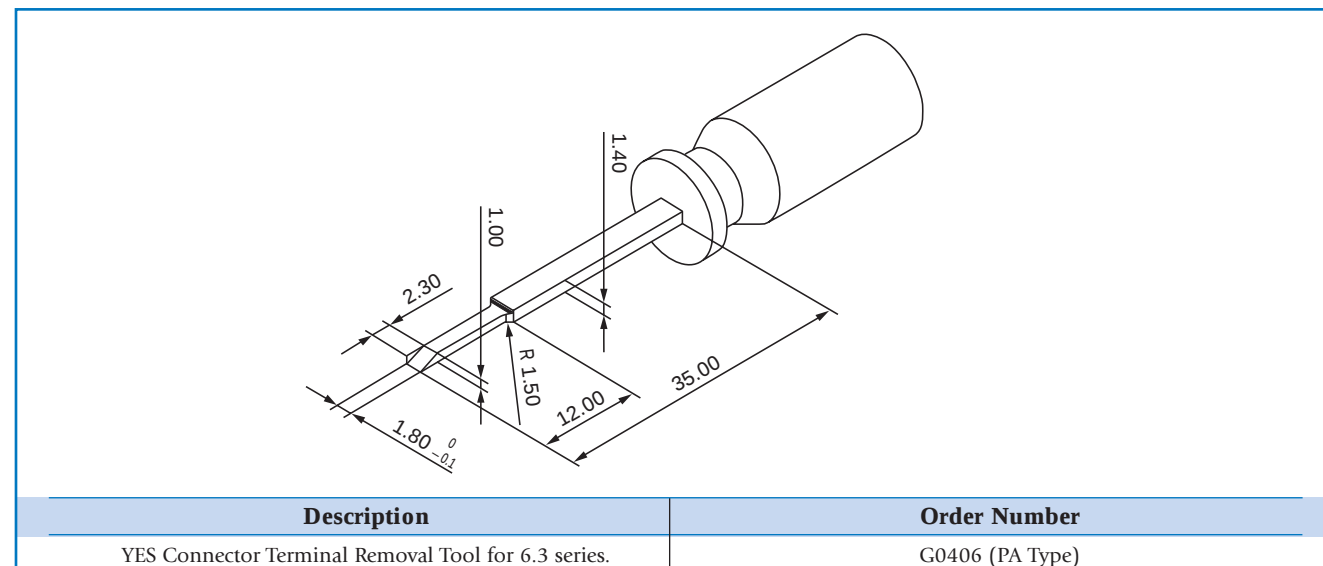
UNIT: mm



UNIT: mm



UNIT: mm



YESC KAIZEN

CONNECTORS

C O N T E N T S

CLICK ON YOUR SELECTION:

OVERVIEW

SYSTEM FEATURES

0.64 x 0.64 UNSEALED

0.64 x 0.64 SEALED

0.64 SERIES

1.5 x 0.8 UNSEALED

1.5 SERIES

2.8 x 0.8 UNSEALED

2.8 SERIES

6.3 x 0.8 UNSEALED

6.3 SERIES

9.5 x 1.2 SEALED

9.5 SERIES

HYBRID

HYBRID
SERIES

HEADER

HEADER
SERIES

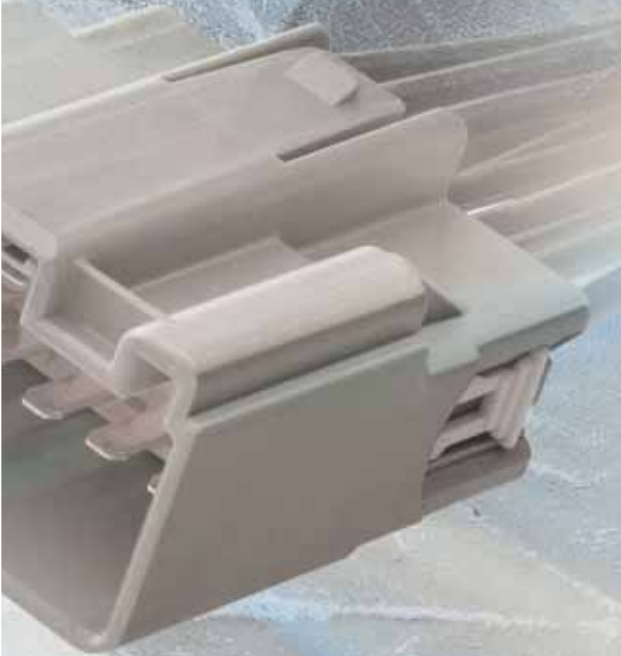
TERMINAL REMOVAL

TERMINAL
REMOVAL

PART NUMBERING METHODOLOGY

YAZAKI LOCATIONS

DISCLAIMER



THE **YESC KAIZEN** CONNECTION

YESC KAIZEN stands for continuous improvement – the heart of a tradition that's helped make Yazaki the world's largest supplier of vehicle power and data networks, and related components. Now we've extended that tradition, combining Yazaki quality standards with highly cost-efficient engineering, to create the new YESC KAIZEN connector series. The latest addition to the Yazaki Engineering Standard Connectors (YESC) line, YESC KAIZEN connectors help engineers meet the aggressive performance, cost, and serviceability requirements of today's more capable, feature-rich vehicles. When it comes to continuous improvement in connectors, look to YESC KAIZEN from Yazaki.



SYSTEM FEATURES

- **Popular-Size Sealed and Unsealed Connectors Available Immediately**

The YESC KAIZEN connector series includes a full range of sealed and unsealed connector styles in stock, available for immediate delivery worldwide – for virtually any vehicle application.

- **USCAR / ISO Standard Compliant**

Terminal blade sizes meet USCAR and ISO standards (0.64 x 0.64, 1.5 x 0.8, 2.8 x 0.8, 6.3 x 0.8).

- **Terminal Position Assurance Device**

Yazaki's Terminal Position Assurance Device is available front-loaded and preset to the connector housing.

- **Wire Gauges for Every Application**

The YESC KAIZEN connector series is compatible with a wide range of both US (AWG) and metric (mm²) wire sizes.

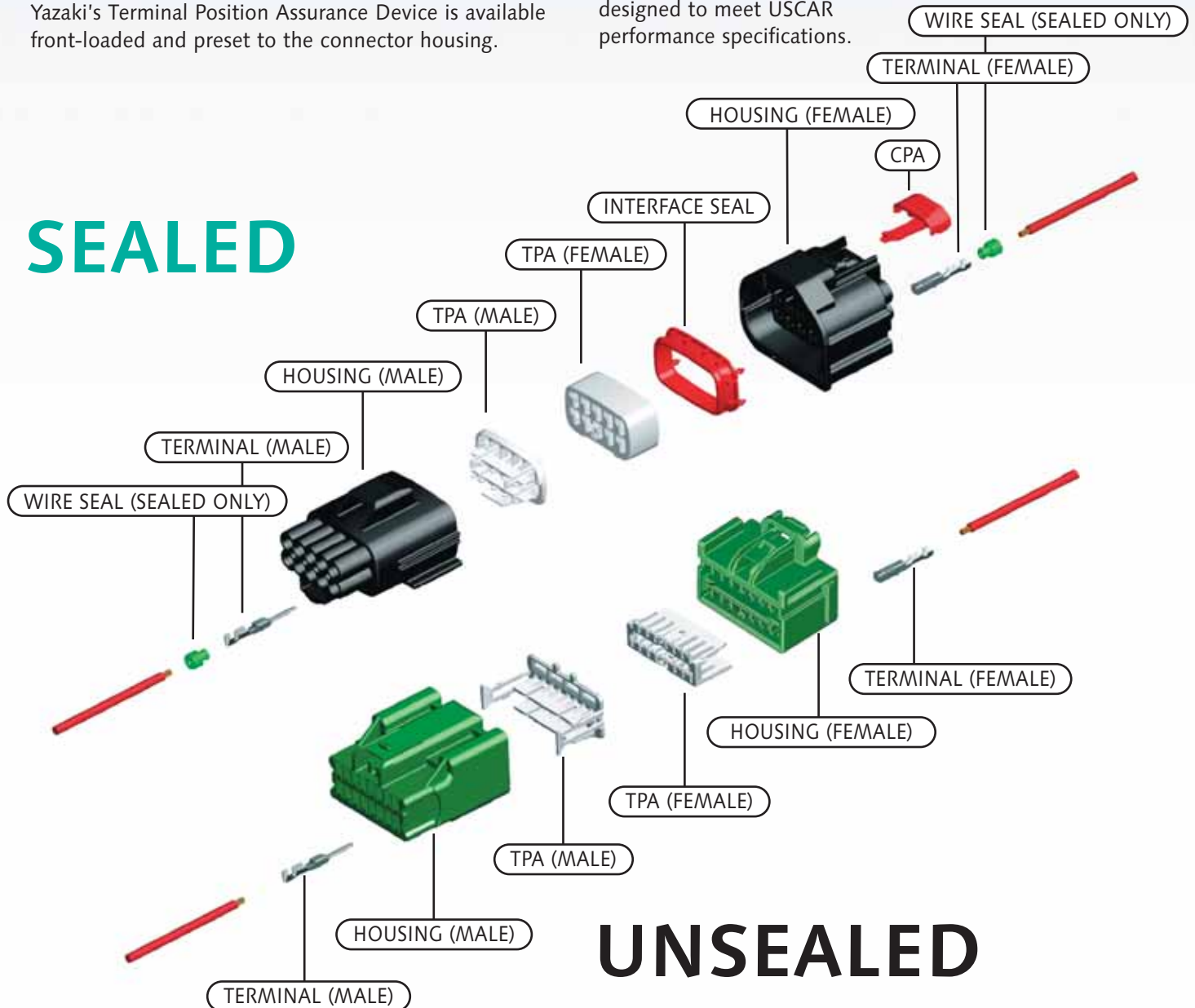
- **Interchangeable With YESC**

All YESC KAIZEN connectors (except for the 0.64 series) have the same footprint as, and are fully interchangeable with, equivalent standard YESC.

- **Designed to Perform**

All YESC KAIZEN connectors are designed to meet USCAR performance specifications.

SEALED



YESC KAIZEN

CONNECTORS

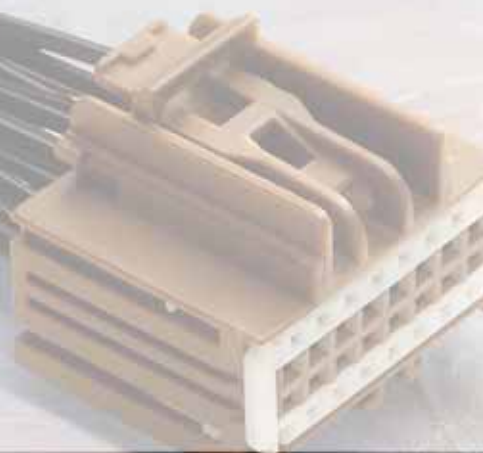
0.64

SERIES

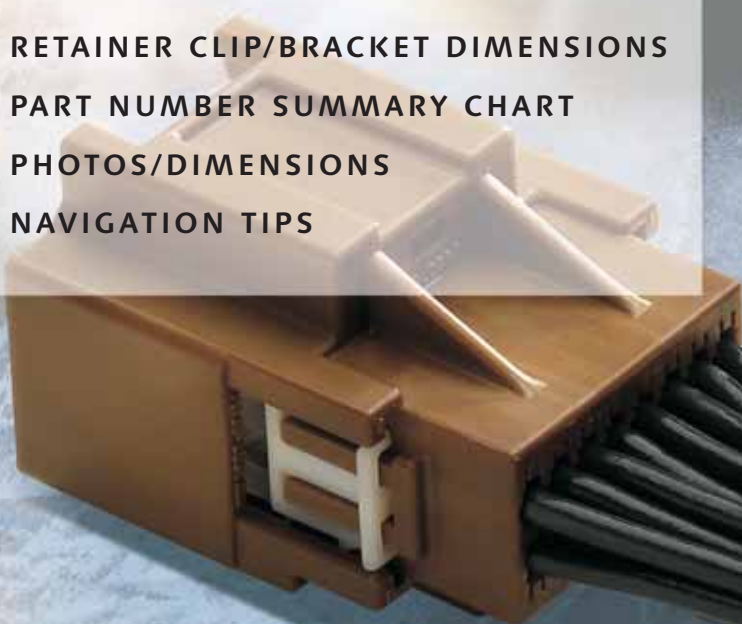
UNSEALED

0.64 SERIES
UNSEALED

CLICK ON YOUR SELECTION:



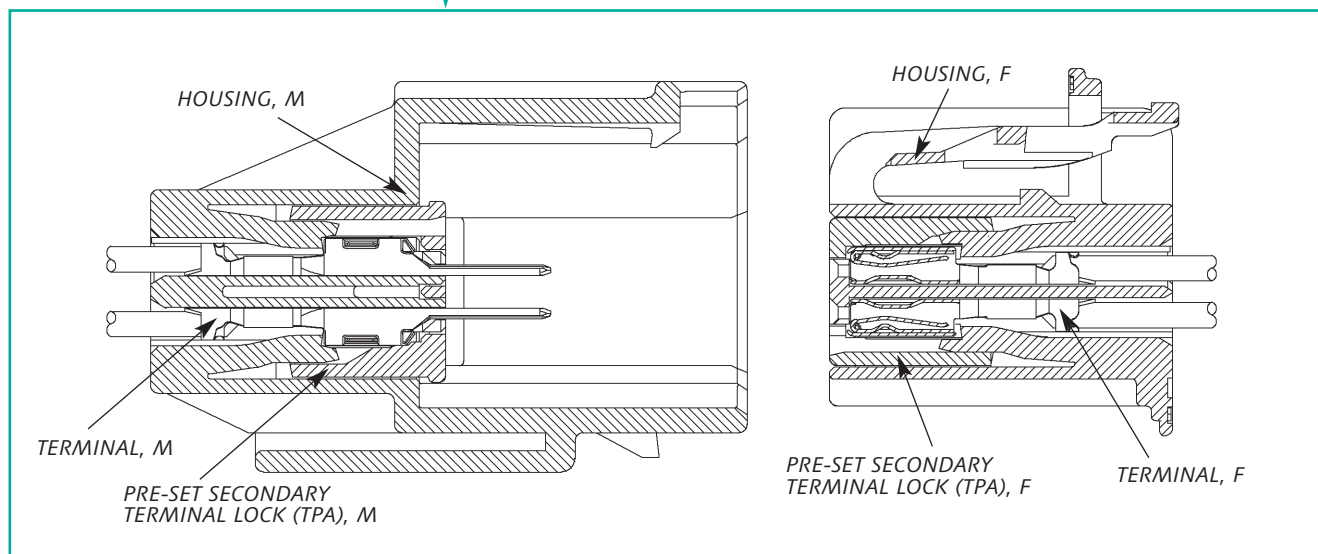
- CONSTRUCTION
- SPECIFICATIONS
- CURRENT RATING CURVE
- TERMINAL
- RETAINER CLIP/BRAKET DIMENSIONS
- PART NUMBER SUMMARY CHART
- PHOTOS/DIMENSIONS
- NAVIGATION TIPS



SUPPLEMENT TO YESC CATALOG

0.64 x 0.64

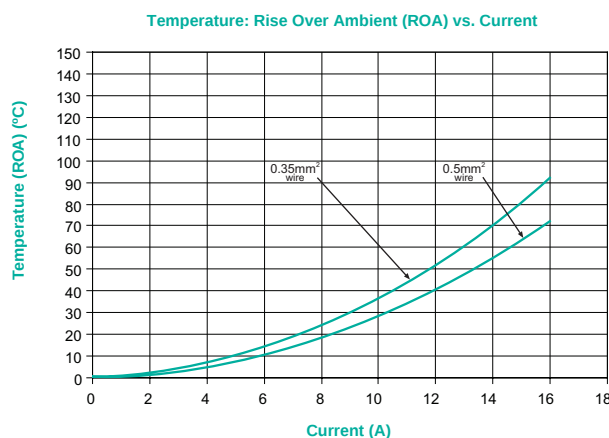
unsealed connection system

Construction**Specifications**

Material	Connector	PBT+GF
	Male Terminal	Copper Alloy (Sn/Au Plate)
	Female Terminal	Copper Alloy (Sn/Au Plate)
Operating Temperature Range		-40°C ~ 100°C (120°C max temp.) (USCAR Class II)
Current Capacity		(See Chart)
Voltage Drop		20mΩ max (Term./Term.) (Crimp-to-Crimp)
Isolation Resistance		500VDC, 20MΩ min
Dielectric Resistance		1000VAC (1 minute)
Applicable Wire Size		22AWG ~ 18AWG (0.30mm ² ~ 0.85mm ²) 1.90mm max Wire O.D.
Terminal Pitch		Horizontal: 2.54mm; Vertical: 2.54mm
Terminal-to-Connector Retention Force		75N min
Connector-to-Connector Retention Force		110N min

Current Rating Curve (Reference Only)

This data is based on single circuit/connector evaluation. Data should be used as reference only. Appropriate derating should be considered based upon specific application requirements.



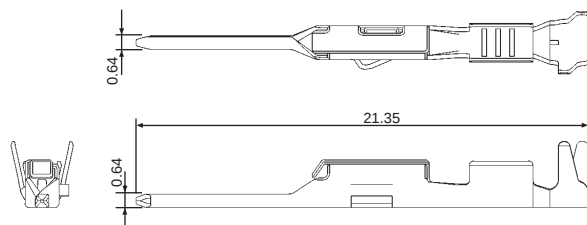
unsealed connection system

0.64 x 0.64

Terminal

UNIT: mm

Male Terminal

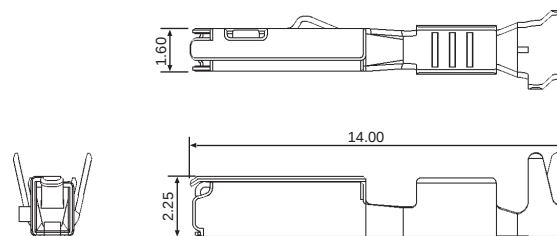


Material: Copper Alloy

Thickness: $t=0.2$

This terminal system mates to either a 0.64mm or 0.8mm wide terminal blade.

Female Terminal



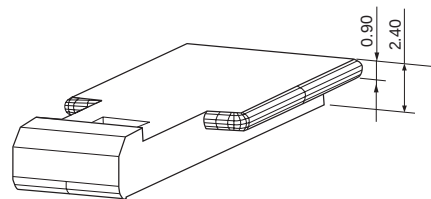
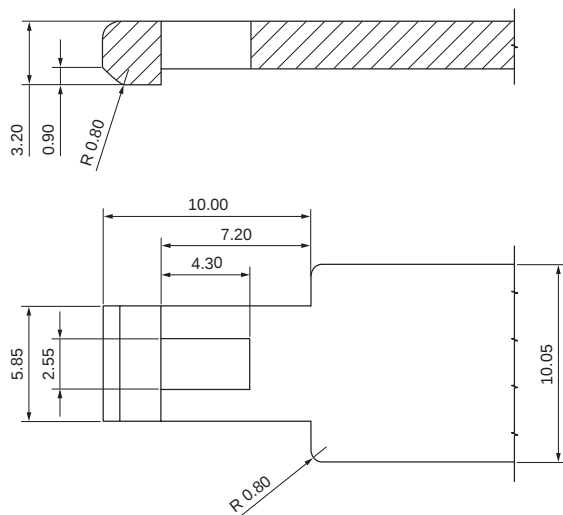
Material: Copper Alloy

Thickness: $t=0.2$

Description	Part Number	Plating	Applicable Wire Size		
			Europe (mm ²)	U.S.A. (AWG)	Japan (mm ²)
Male Terminal	7114-4618-02	Sn	0.35 ~ 0.5	22 ~ 20	0.3 ~ 0.5
	7114-4619-02	Sn	0.75	18	0.85
	7114-4618-08	Au	0.35 ~ 0.5	22 ~ 20	0.3 ~ 0.5
	7114-4619-08	Au	0.75	18	0.85
Female Terminal	7116-4618-02	Sn	0.35 ~ 0.5	22 ~ 20	0.3 ~ 0.5
	7116-4619-02	Sn	0.75	18	0.85
	7116-4618-08	Au	0.35 ~ 0.5	22 ~ 20	0.3 ~ 0.5
	7116-4619-08	Au	0.75	18	0.85

Retainer Clip / Bracket Dimensions

UNIT: mm



Part Number	Panel Hole Requirements
7047-9580 (Ref)	φ6.5mm

0.64 x 0.64

unsealed connection system

**Part Number
Summary Chart**

Part Name	Male	Female
Terminal	7114-4618-02	7116-4618-02
	7114-4619-02	7116-4619-02
	7114-4618-08	7116-4618-08
	7114-4619-08	7116-4619-08
Applicable Clip	7047-9580 (Ref)	—

Pole	Polarity	Color/ Description	Male Part Number	Female Part Number	Delete Caps
4	A	Black	—	7283-9016-30	—
8	A	Black	7282-9022-30	7283-9028-30	—
8	B	Light Grey	—	7283-9029-40	—
10	A	Black	—	7283-9040-30	—
10	D	Green	—	7283-9043-60	—
10	F	Natural	—	7283-9045	—
10	A	Black	7282-9082-30	7283-9088-30	—
14	B	Light Grey	—	7283-9065-40	—
14	E	Blue	—	7283-9068-90	—
16	A	Black	—	7283-9076-30	—
16	C	Brown	7282-9072-80	7283-9078-80	—
16	D	Green	—	7283-9079-60	—
16	E	Blue	—	7283-9080-90	—
16	F	Natural	—	7283-9081	—
16	A	Black	—	7283-9282-30	—
16	B	Light Grey	—	7283-9283-40	—
16	C	Brown	—	7283-9284-80	—
18	A	Black	—	7283-4544-30	—
18	D	Green	—	7283-4548-60	—
18	A	Black	—	7283-9110-30	—
20	B	Light Grey	—	7283-9111-40	—
20	C	Brown	—	7283-9112-80	—

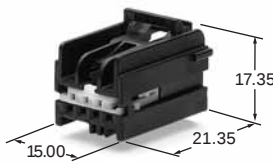
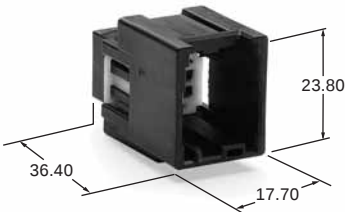
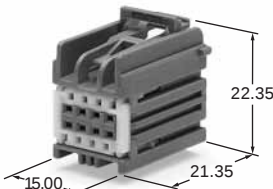
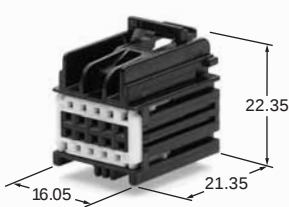
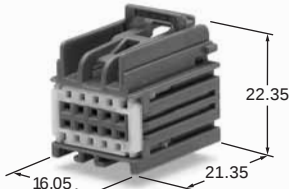
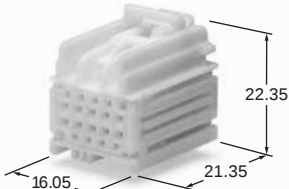
Applicable Terminal Removal Tool/Dimensions

Refer to Page 120 for YESC KAIZEN Connector Terminal Removal Tool.
Order Number: 49YA000263.

unsealed connection system

0.64 x 0.64**Housing Material: PBT+GF**

UNIT: mm

<i>Poles</i>	<i>Male Housing</i>	<i>Female Housing</i>
4	N/A	 7283-9016-30*
8	 7282-9022-30	 7283-9028-30*
8	N/A	 7283-9029-40*
10	N/A	 7283-9040-30*
10	N/A	 7283-9043-60*
10	N/A	 7283-9045*

GO TO PAGE **2 OF 4**

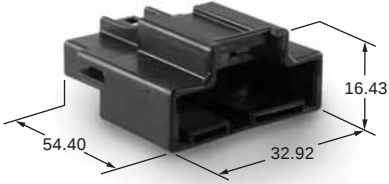
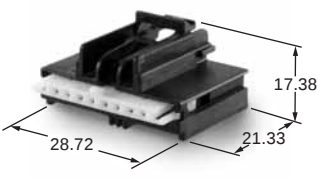
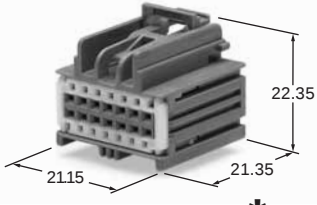
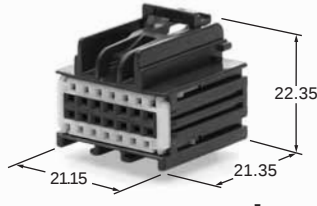
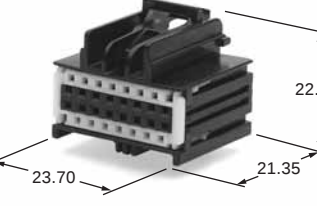
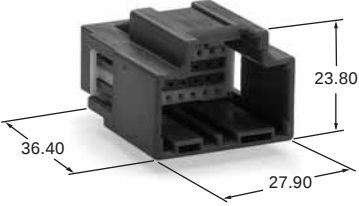
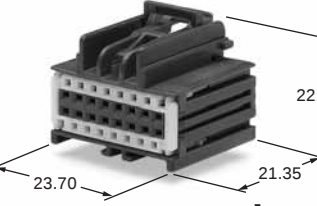
*Part meets USCAR interface standard at time of printing.

0.64 x 0.64

unsealed connection system

Housing Material: PBT+GF

UNIT: mm

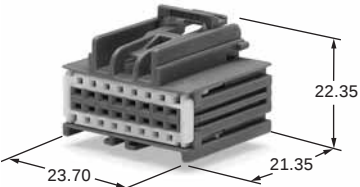
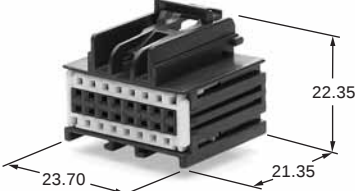
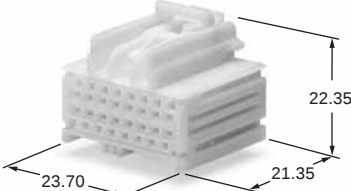
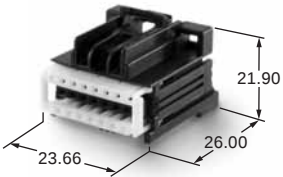
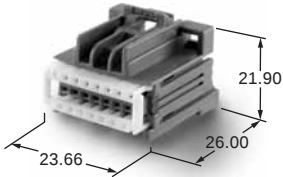
Poles	Male Housing	Female Housing
10	 7282-9082-30	 7283-9088-30
14	N/A	 7283-9065-40*
14	N/A	 7283-9068-90*
16	N/A	 7283-9076-30*
16	 7282-9072-80	 7283-9078-80*

*Part meets USCAR interface standard at time of printing.

unsealed connection system

0.64 x 0.64**Housing Material: PBT+GF**

UNIT: mm

<i>Poles</i>	<i>Male Housing</i>	<i>Female Housing</i>
16	N/A	 7283-9079-60*
16	N/A	 7283-9080-90*
16	N/A	 7283-9081*
16	N/A	 7283-9282-30
16	N/A	 7283-9283-40

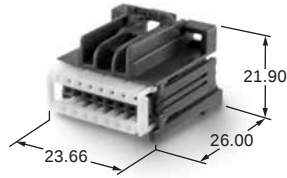
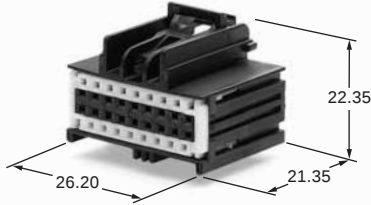
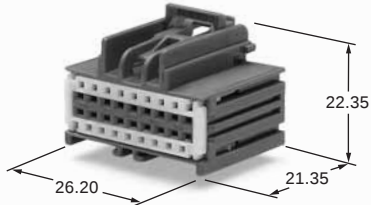
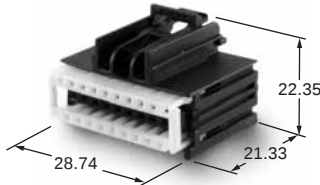
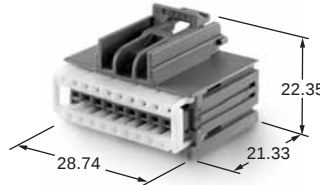
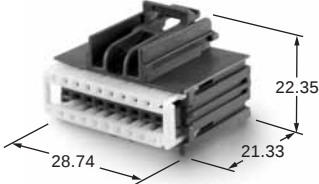
*Part meets USCAR interface standard at time of printing.

0.64 x 0.64

unsealed connection system

Housing Material: PBT+GF

UNIT: mm

<i>Poles</i>	<i>Male Housing</i>	<i>Female Housing</i>
16	N/A	 7283-9284-80
18	N/A	 7283-4544-30*
18	N/A	 7283-4548-60*
18	N/A	 7283-9110-30
20	N/A	 7283-9111-40
20	N/A	 7283-9112-80

YESC KAIZEN

CONNECTORS

0.64

SERIES

SEALED

0.64 SERIES
SEALED

CLICK ON YOUR SELECTION:

CONSTRUCTION

SPECIFICATIONS

CURRENT RATING CURVE

TERMINAL

RETAINER CLIP/BACKET DIMENSIONS

PART NUMBER SUMMARY CHART

PHOTOS/DIMENSIONS

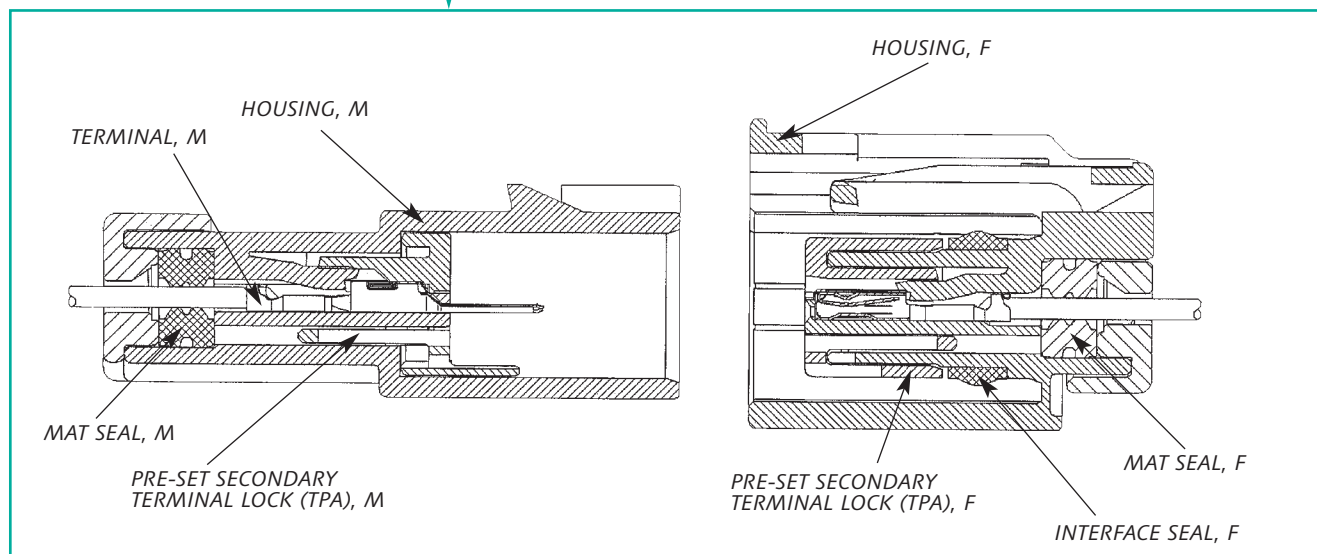
NAVIGATION TIPS

SUPPLEMENT TO YESC CATALOG

0.64 x 0.64

sealed connection system

Construction

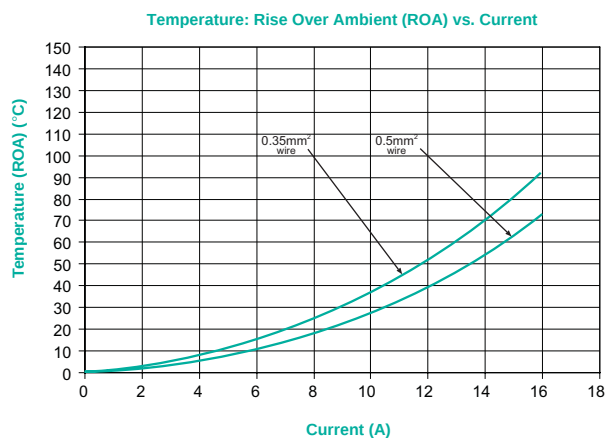


Specifications

Material	Connector	PBT+GF
	Male Terminal	Copper Alloy (Sn/Au Plate)
	Female Terminal	Copper Alloy (Sn/Au Plate)
Operating Temperature Range		-40°C ~ 125°C (145°C max temp.) (USCAR Class III)
Current Capacity		(See Chart)
Voltage Drop		20mΩ max (Term./Term.) (Crimp-to-Crimp)
Isolation Resistance		500VDC, 20MΩ min
Dielectric Resistance		1000VAC (1 minute)
Applicable Wire Size		22AWG ~ 18AWG (0.30mm² ~ 0.85mm²) 1.90mm max Wire O.D.
Terminal Pitch		Horizontal: 2.54mm; Vertical: 2.54mm
Sealing Performance (Air-Leak Pressure)		48KPa min (Pre-Heat Soak); 28KPa (Post-Heat Soak)
Terminal-to-Connector Retention Force		75N min
Connector-to-Connector Retention Force		110N min

Current Rating Curve (Reference Only)

This data is based on single circuit/connector evaluation. Data should be used as reference only. Appropriate derating should be considered based upon specific application requirements.



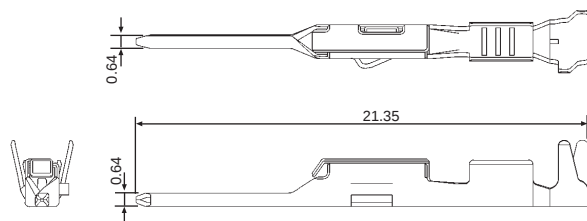
sealed connection system

0.64 x 0.64

Terminal

UNIT: mm

Male Terminal

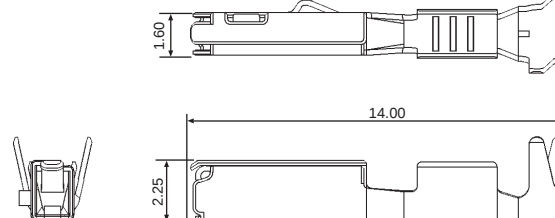


Material: Copper Alloy

Thickness: $t=0.2$

This terminal system mates to either a 0.64mm or 0.8mm wide terminal blade.

Female Terminal



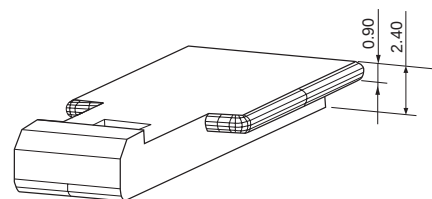
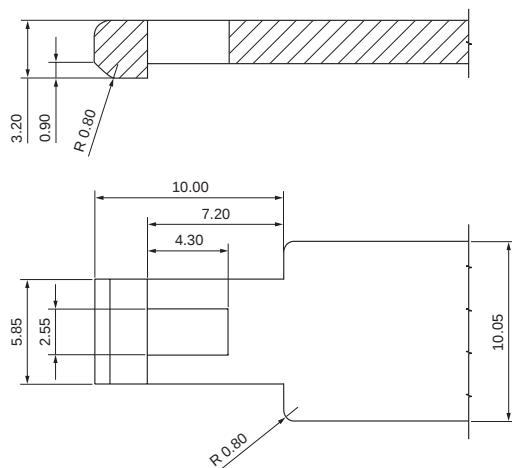
Material: Copper Alloy

Thickness: $t=0.2$

Description	Part Number	Plating	Applicable Wire Size		
			Europe (mm ²)	U.S.A. (AWG)	Japan (mm ²)
Male Terminal	7114-4618-02	Sn	0.35 ~ 0.5	22 ~ 20	0.3 ~ 0.5
	7114-4619-02	Sn	0.75	18	0.85
	7114-4618-08	Au	0.35 ~ 0.5	22 ~ 20	0.3 ~ 0.5
	7114-4619-08	Au	0.75	18	0.85
Female Terminal	7116-4618-02	Sn	0.35 ~ 0.5	22 ~ 20	0.3 ~ 0.5
	7116-4619-02	Sn	0.75	18	0.85
	7116-4618-08	Au	0.35 ~ 0.5	22 ~ 20	0.3 ~ 0.5
	7116-4619-08	Au	0.75	18	0.85

Retainer Clip / Bracket Dimensions

UNIT: mm



Part Number	Panel Hole Requirements
7047-9580 (Ref)	φ6.5mm

0.64 x 0.64

sealed connection system

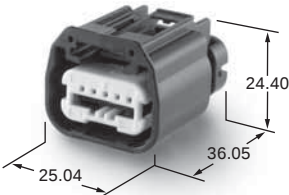
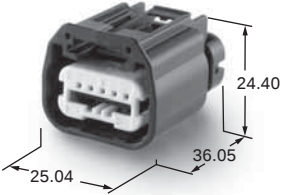
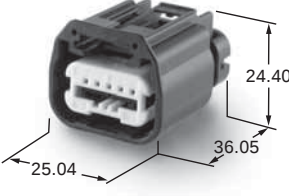
**Part Number
Summary Chart**

Part Name	Male	Female
Terminal	7114-4618-02	7116-4618-02
	7114-4619-02	7116-4619-02
	7114-4618-08	7116-4618-08
	7114-4619-08	7116-4619-08
Applicable Clip	7047-9580 (Ref)	—

Pole	Polarity	Color/ Description	Male Part Number	Female Part Number	Delete Caps
5	A	Black	7282-2004-30	7283-2004-30	—
5	A	Black	7282-2005-30	7283-2005-30	—
5	A	Black	7282-2006-30	7283-2006-30	—

Housing Material: PBT+GF

UNIT: mm

Poles	Male Housing	Female Housing
5	PHOTO UNAVAILABLE 7282-2004-30	 7283-2004-30
5	PHOTO UNAVAILABLE 7282-2005-30	 7283-2005-30
5	PHOTO UNAVAILABLE 7282-2006-30	 7283-2006-30

Applicable Terminal Removal Tool/Dimensions

Refer to Page 120 for YESC KAIZEN Connector Terminal Removal Tool.

Order Number: 49YA000263.

YESC KAIZEN

CONNECTORS

1.5

SERIES

UNSEALED

1.5 SERIES
UNSEALED

CLICK ON YOUR SELECTION:

CONSTRUCTION

SPECIFICATIONS

CURRENT RATING CURVE

TERMINAL

RETAINER CLIP/BRACKET DIMENSIONS

PART NUMBER SUMMARY CHART

PHOTOS/DIMENSIONS

NAVIGATION TIPS

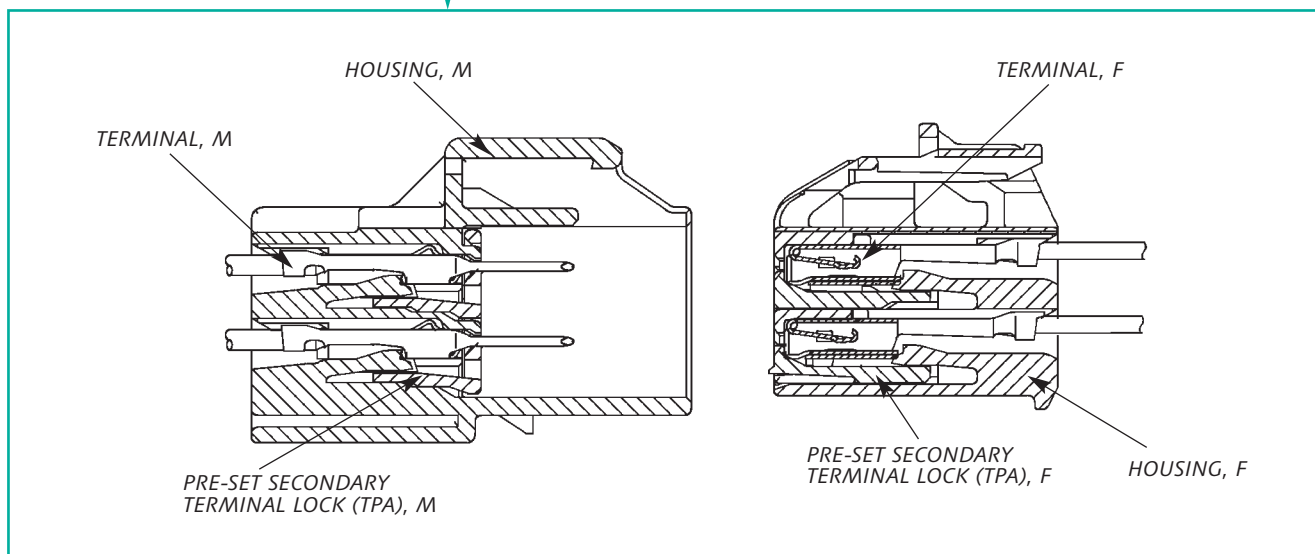


SUPPLEMENT TO YESC CATALOG

1.5 x 0.8

unsealed connection system

Construction



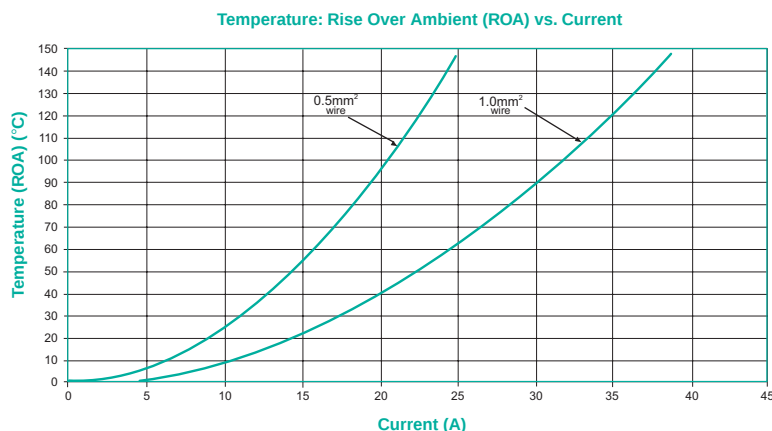
Specifications

Material	Connector	PBT+GF
	Male Terminal	Copper Alloy (Sn/Au Plate)
	Female Terminal	Copper Alloy (Sn/Au Plate)
Operating Temperature Range		-40°C ~125°C (145°C max temp.) (USCAR Class III)
Current Capacity		(See Chart)
Voltage Drop		10mΩ max (Term./Term.) (Crimp-to-Crimp)
Isolation Resistance		500VDC, 20MΩ min
Dielectric Resistance		1000VAC (1 minute)
Applicable Wire Size		22AWG ~ 16AWG (0.35mm ² ~ 1.0mm ²)
Terminal Pitch		Horizontal: 3.50mm; Vertical: 6.50mm
Terminal-to-Connector Retention Force		90N min
Connector-to-Connector Retention Force		110N min

Current Rating Curve (Reference Only)

This data is based on single circuit/connector evaluation. Data should be used as reference only. Appropriate derating should be considered based upon specific application requirements.

0.35mm² rating curve not shown.
Current capability of terminal exceeds capacity of wire.



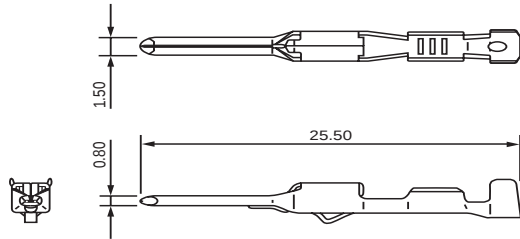
unsealed connection system

1.5 x 0.8

Terminal

UNIT: mm

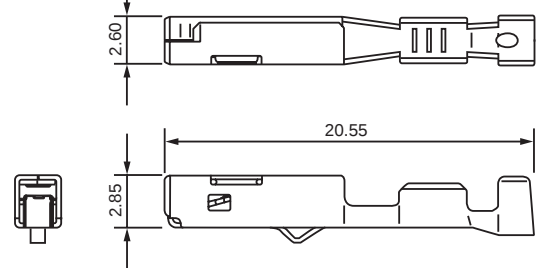
Male Terminal



Material: Copper Alloy

Thickness: $t=0.3$

Female Terminal



Material: Copper Alloy

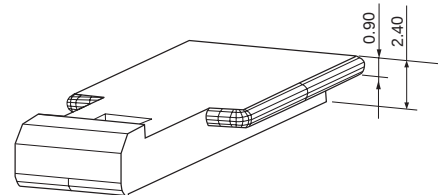
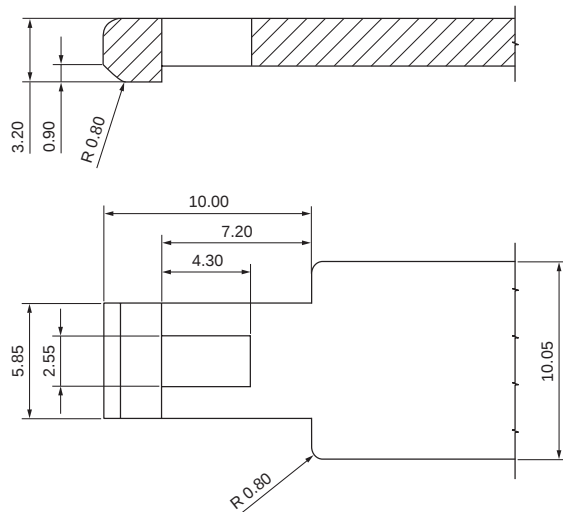
Thickness: $t=0.25$

Description	YESC Part Number	YESC KAIZEN Part Number	Plating	Applicable Wire Size		
				Europe (mm ²)	U.S.A. (AWG)	Japan (mm ²)
Male Terminal	7114-4100-02	—	Sn	0.35 ~ 0.5	22 ~ 20	0.3 ~ 0.5
	7114-4101-02	—	Sn	0.75 ~ 1.0	18 ~ 16	0.85 ~ 1.25
	7114-4100-08	—	Au	0.35 ~ 0.5	22 ~ 20	0.3 ~ 0.5
	7114-4101-08	—	Au	0.75 ~ 1.0	18 ~ 16	0.85 ~ 1.25
Female Terminal	7116-4100-02	7116-4780-02	Sn	0.35 ~ 0.5	22 ~ 20	0.3 ~ 0.5
	7116-4101-02	7116-4781-02	Sn	0.75 ~ 1.0	18 ~ 16	0.85 ~ 1.25
	7116-4100-08	—	Au	0.35 ~ 0.5	22 ~ 20	0.3 ~ 0.5
	7116-4101-08	—	Au	0.75 ~ 1.0	18 ~ 16	0.85 ~ 1.25

YESC KAIZEN is preferred (equal performance/lower insertion force)

Retainer Clip / Bracket Dimensions

UNIT: mm



Part Number	Panel Hole Requirements
7047-9580 (Ref)	φ6.5mm

1.5 x 0.8

unsealed connection system

Part Number Summary Chart

Part Name	YESC Male	YESC KAIZEN Male	YESC Female	YESC KAIZEN Female
Terminal	7114-4100-02	—	7116-4100-02	7116-4780-02
	7114-4101-02	—	7116-4101-02	7116-4781-02
	7114-4100-08	—	7116-4100-08	—
	7114-4101-08	—	7116-4101-08	—
Applicable Clip	—	7047-9580 (Ref)	—	—

Pole	Polarity	Color/Description	YESC Male Part Number	YESC KAIZEN Male Part Number	YESC Female Part Number	YESC KAIZEN Female Part Number	Delete Caps
2	A	Light Grey	—	7282-6443-40	—	7283-6443-40	—
2	A	Orange	—	7282-6443-50	—	7283-6443-50	—
2	B	Green	—	7282-6444-60	—	7283-6444-60	—
2	B	Yellow	—	7282-6444-70	—	7283-6444-70	—
3	A	Light Grey	—	7282-3440-40	—	7283-3440-40	—
4	A	Light Grey	—	7282-6449-40	—	7283-6449-40	—
4	A	Orange	—	—	—	7283-6449-50	—
4	A	Yellow	—	—	—	7283-6449-70	—
4	B	Green	—	7282-3443-60	—	7283-3443-60	—
6	A	Light Grey	—	7282-6454-40	—	7283-6454-40	—
6	B	Green	—	—	—	7283-4016-60	—
8	A	Light Grey	—	7282-3441-40	—	7283-3441-40	—
10	A	Light Grey	—	7282-6455-40	—	7283-6455-40	—
12	A	Light Grey	—	7282-3442-40	—	7283-3442-40	—
16	A	Green	—	7282-6453-60	—	7283-6453-60	7282-5690-60
16	B	Blue	—	7282-6456-90	—	7283-6456-90	—
16	C	Light Grey	7282-5536-40	—	—	7283-3585-40	—

Applicable Terminal Removal Tool/Dimensions

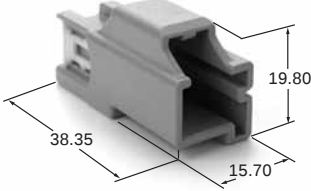
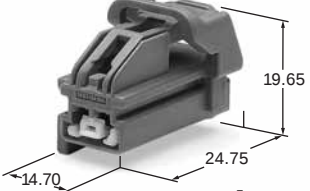
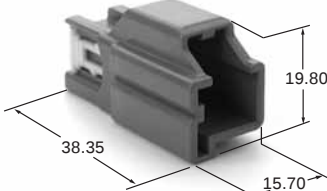
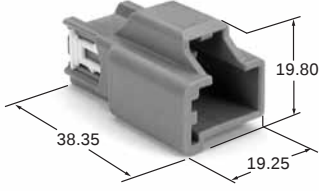
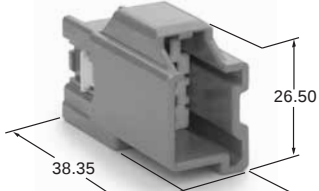
Refer to Page 120 for YESC KAIZEN Connector Terminal Removal Tool.

Order Number: X39899-J374.

unsealed connection system

1.5 x 0.8**Housing Material: PBT+GF**

UNIT: mm

Poles	Male Housing	Female Housing
2	 38.35 19.80 15.70 7282-6443-40	 14.70 24.75 19.65 7283-6443-40*
2	 38.35 19.80 15.70 7282-6444-60	 14.70 24.75 19.65 7283-6444-60*
3	 38.35 19.80 19.25 7282-3440-40	 16.70 24.75 18.65 7283-3440-40*
4	 38.35 26.50 15.70 7282-6449-40	 14.70 24.75 26.15 7283-6449-40*
4	 38.35 26.50 15.70 7282-3443-60	 14.70 24.75 26.15 7283-3443-60*

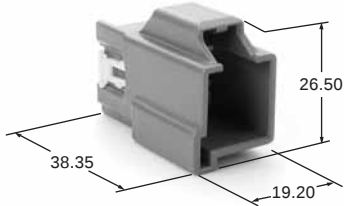
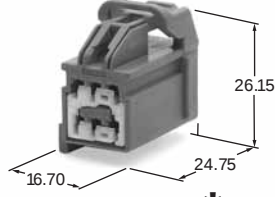
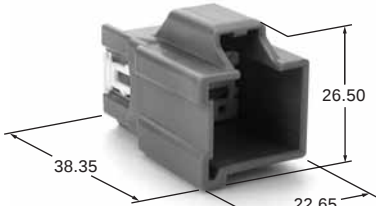
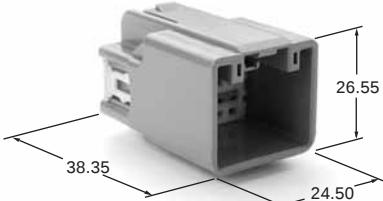
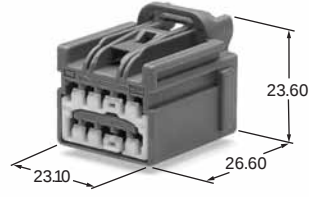
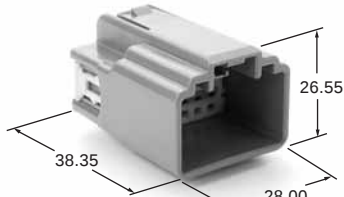
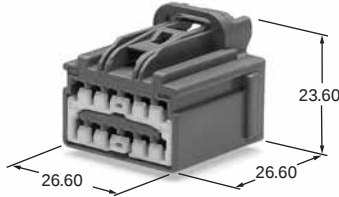
*Part meets USCAR interface standard at time of printing.

1.5 x 0.8

unsealed connection system

Housing Material: PBT+GF

UNIT: mm

<i>Poles</i>	<i>Male Housing</i>	<i>Female Housing</i>
6	 7282-6454-40	 7283-6454-40*
6	N/A	 7283-4016-60*
8	 7282-3441-40	 7283-3441-40*
10	 7282-6455-40	 7283-6455-40*
12	 7282-3442-40	 7283-3442-40*

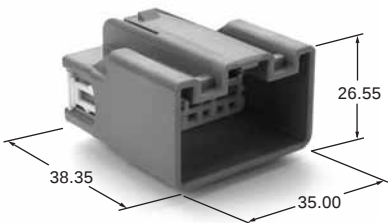
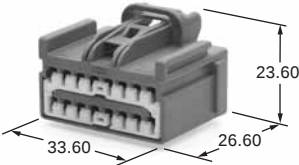
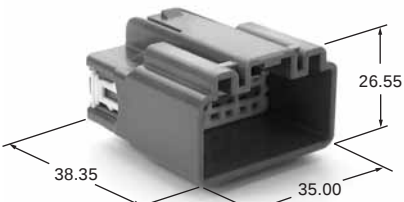
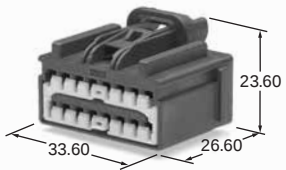
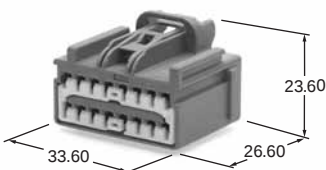
*Part meets USCAR interface standard at time of printing.

unsealed connection system

1.5 x 0.8

Housing Material: PBT+GF

UNIT: mm

Poles	Male Housing	Female Housing
16	 7282-6453-60	 7283-6453-60*
16	 7282-6456-90	 7283-6456-90*
16	N/A	 7283-3585-40*

*Part meets USCAR interface standard at time of printing.

YESC KAIZEN

CONNECTORS

2.8

SERIES

UNSEALED

CLICK ON YOUR SELECTION:



CONSTRUCTION

SPECIFICATIONS

CURRENT RATING CURVE

TERMINAL

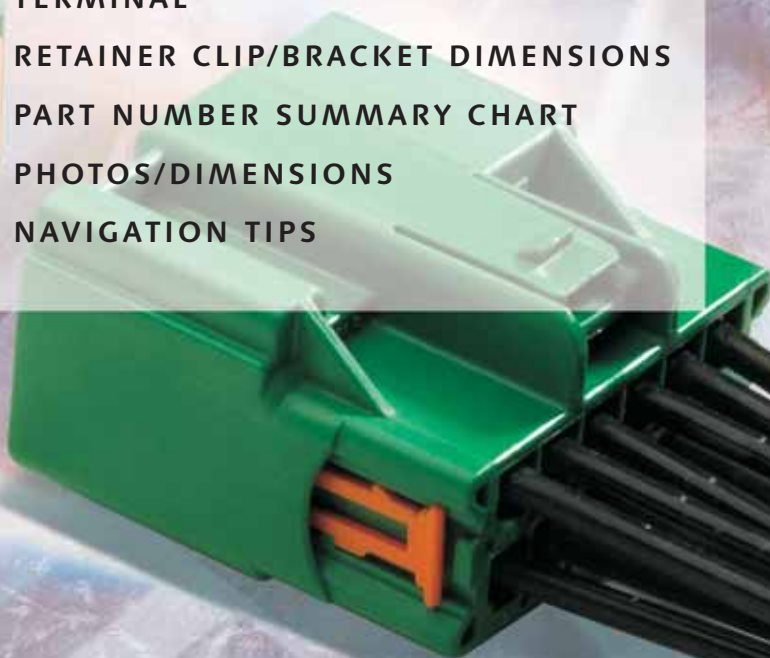
RETAINER CLIP/BACKET DIMENSIONS

PART NUMBER SUMMARY CHART

PHOTOS/DIMENSIONS

NAVIGATION TIPS

2.8 SERIES
UNSEALED

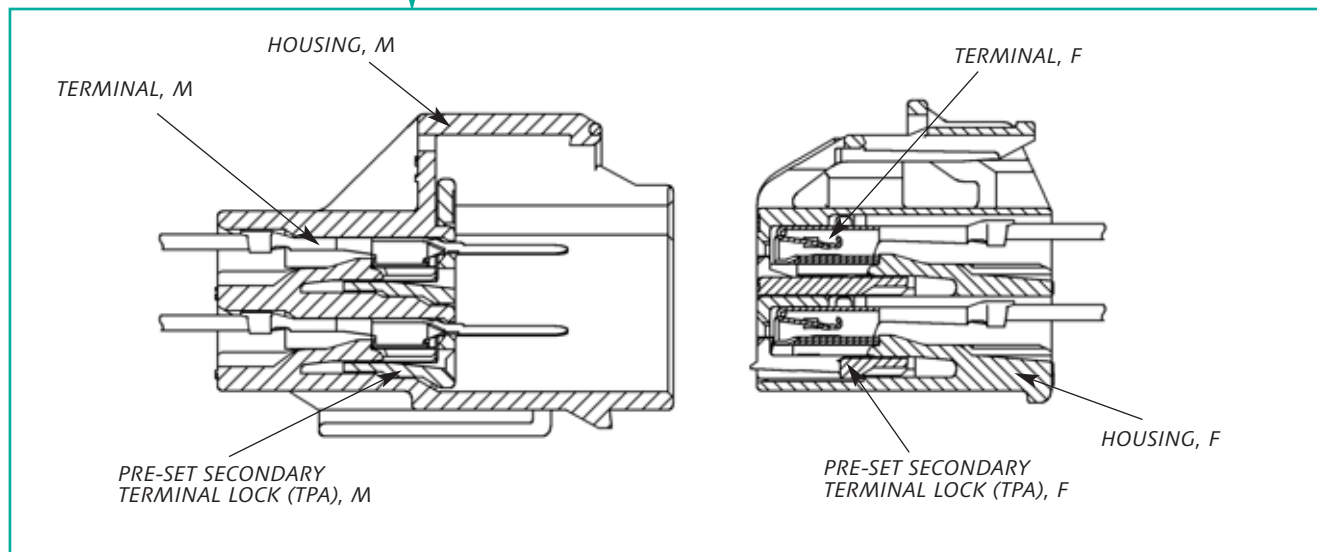


SUPPLEMENT TO YESC CATALOG

2.8 x 0.8

unsealed connection system

Construction



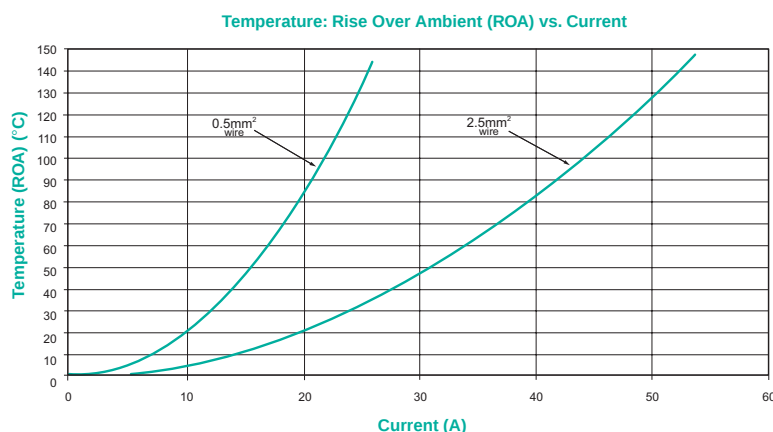
Specifications

Material	Connector	PBT + GF
	Male Terminal	Copper Alloy (Sn Plate)
	Female Terminal	Copper Alloy (Sn Plate)
Operating Temperature Range		-40°C ~ 125°C (145°C max temp.) (USCAR Class III)
Current Capacity		(See Chart)
Voltage Drop		10mΩ max (Term./Term.) (Crimp-to-Crimp)
Isolation Resistance		500VDC, 20MΩ min
Dielectric Resistance		1000VAC (1 minute)
Applicable Wire Size		22AWG ~ 14AWG (0.35mm ² ~ 2.5mm ²)
Terminal Pitch		Horizontal: 5.00mm; Vertical: 6.80mm
Terminal-to-Connector Retention Force		90N min
Connector-to-Connector Retention Force		110N min

Current Rating Curve (Reference Only)

This data is based on single circuit/connector evaluation. Data should be used as reference only. Appropriate derating should be considered based upon specific application requirements.

0.35mm² rating curve not shown.
Current capability of terminal exceeds capacity of wire.



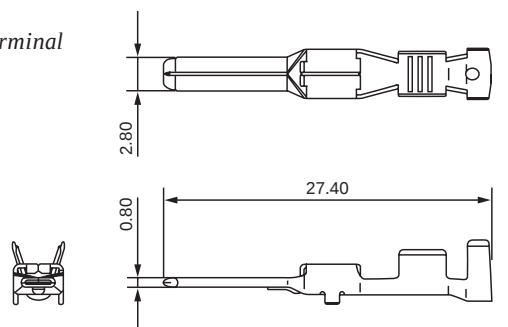
unsealed connection system

2.8 x 0.8

Terminal

UNIT: mm

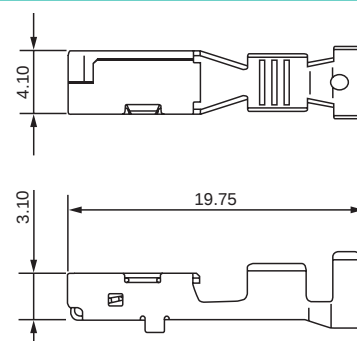
Male Terminal



Material: Copper Alloy

Thickness: $t=0.3$

Female Terminal



Material: Copper Alloy

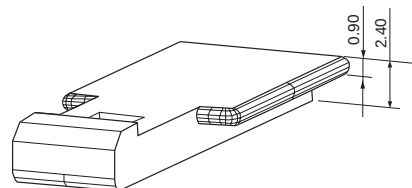
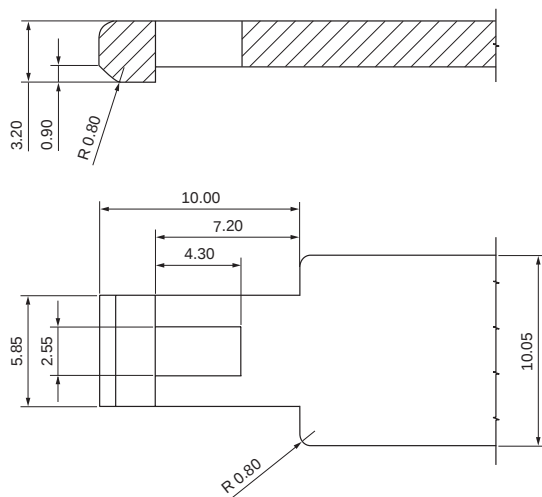
Thickness: $t=0.3$

Description	YESC Part Number	YESC KAIZEN Part Number	Plating	Applicable Wire Size		
				Europe (mm ²)	U.S.A. (AWG)	Japan (mm ²)
Male Terminal	7114-4110-02	—	Sn	0.35 ~ 0.5	22 ~ 20	0.3 ~ 0.5
	7114-4111-02	—	Sn	0.75 ~ 1.0	18 ~ 16	0.85 ~ 1.25
	7114-4112-02	—	Sn	1.5 ~ 2.5	14	2.0
Female Terminal	7116-4110-02	7116-4270-02	Sn	0.35 ~ 0.5	22 ~ 20	0.3 ~ 0.5
	7116-4111-02	7116-4271-02	Sn	0.75 ~ 1.0	18 ~ 16	0.85 ~ 1.25
	7116-4112-02	7116-4272-02	Sn	1.5 ~ 2.5	14	2.0

YESC KAIZEN is preferred (equal performance/lower insertion force)

Retainer Clip / Bracket Dimensions

UNIT: mm



Part Number	Panel Hole Requirements
7047-9580 (Ref)	φ6.5mm

2.8 x 0.8

unsealed connection system

Part Number Summary Chart

Part Name	YESC Male	YESC KAIZEN Male	YESC Female	YESC KAIZEN Female
Terminal	7114-4110-02	—	7116-4110-02	7116-4270-02
	7114-4111-02	—	7116-4111-02	7116-4271-02
	7114-4112-02	—	7116-4112-02	7116-4272-02
Applicable Clip	—	7047-9580 (Ref)	—	—

Pole	Polarity	Color/Description	YESC Male Part Number	YESC KAIZEN Male Part Number	YESC Female Part Number	YESC KAIZEN Female Part Number	Delete Caps
2	A	Light Grey	—	7282-6445-40	—	7283-6445-40	—
4	A	Light Grey	—	7282-6446-40	—	7283-6446-40	—
6	A	Light Grey	—	7282-6466-40	—	7283-6466-40	—
6	B	Green/ Direct only	—	—	—	7283-3242-60	—
8	A	Light Grey	—	7282-3243-40	—	7283-3243-40	—
8	B	Green/ Direct only	—	—	—	7283-3244-60	—
10	A	Light Grey	—	7282-6457-40	—	7283-6457-40	—
12	A	Light Grey	—	7282-6467-40	—	7283-6467-40	—
12	B	Green	—	7282-6468-60	—	7283-6468-60	—

Applicable Terminal Removal Tool/Dimensions

Refer to Page 120 for YESC KAIZEN Connector Terminal Removal Tool.

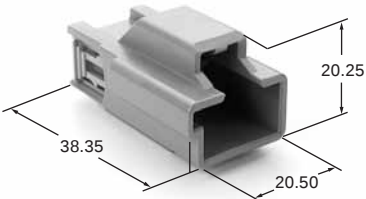
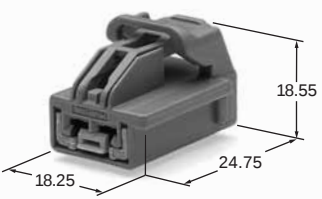
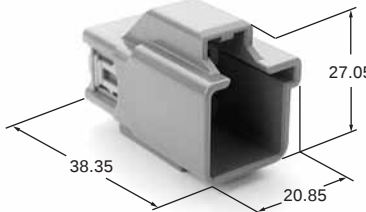
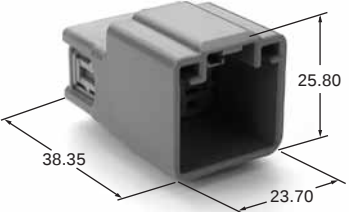
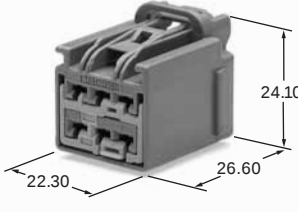
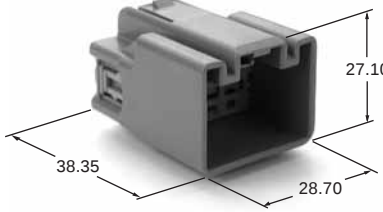
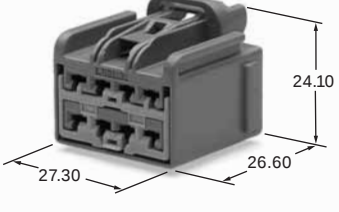
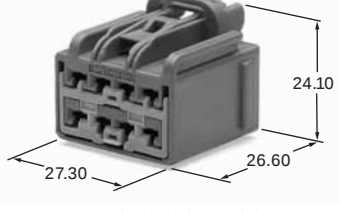
Order Number: X39899-J374.

unsealed connection system

2.8 x 0.8

Housing Material: PBT+GF

UNIT: mm

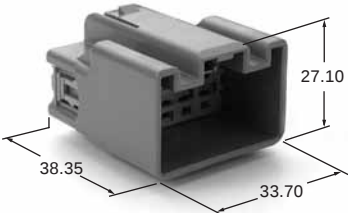
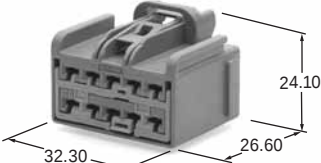
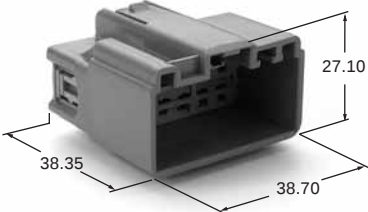
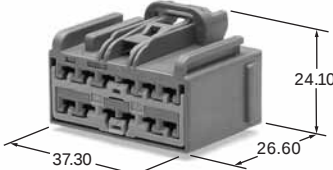
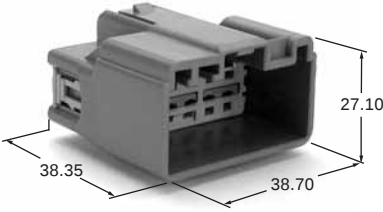
Poles	Male Housing	Female Housing
2	 7282-6445-40	 7283-6445-40
4	 7282-6446-40	 7283-6446-40
6	 7282-6466-40	 7283-6466-40
6	N/A	 7283-3242-60
8	 7282-3243-40	 7283-3243-40
8	N/A	 7283-3244-60

2.8 x 0.8

unsealed connection system

Housing Material: **PBT+GF**

UNIT: mm

Poles	Male Housing	Female Housing
10	 7282-6457-40	 7283-6457-40
12	 7282-6467-40	 7283-6467-40
12	 7282-6468-60	 7283-6468-60

YESC KAIZEN

CONNECTORS

6.3

SERIES

UNSEALED

CLICK ON YOUR SELECTION:

CONSTRUCTION

SPECIFICATIONS

CURRENT RATING CURVE

TERMINAL

RETAINER CLIP/BRACKET DIMENSIONS

PART NUMBER SUMMARY CHART

PHOTOS/DIMENSIONS

NAVIGATION TIPS

6.3 SERIES
UNSEALED

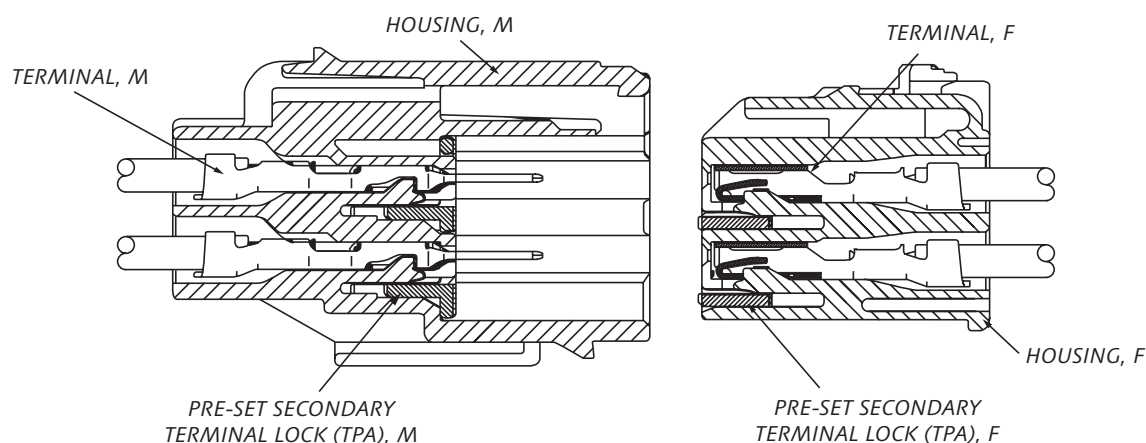


SUPPLEMENT TO YESC CATALOG

6.3 x 0.8

unsealed connection system

Construction

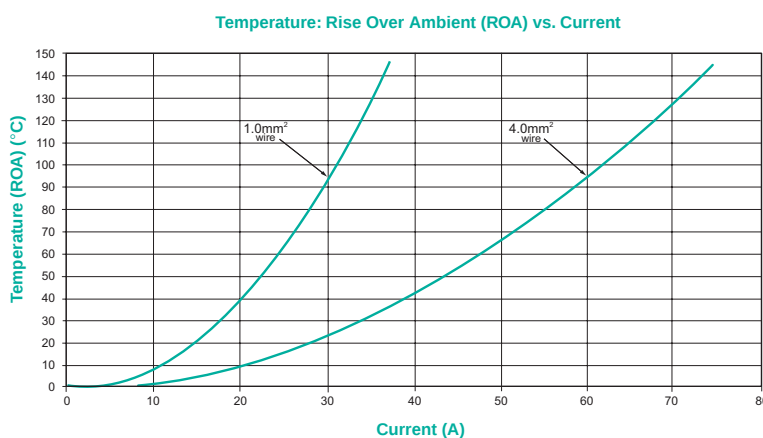


Specifications

Material	Connector	PBT+GF
	Male Terminal	Copper Alloy (Sn Plate)
	Female Terminal	Copper Alloy (Sn Plate)
Operating Temperature Range		-40°C ~ 125°C (145°C max temp.) (USCAR Class III)
Current Capacity		(See Chart)
Voltage Drop		10mΩ max (Term./Term.) (Crimp-To-Crimp)
Isolation Resistance		500VDC, 20MΩ min
Dielectric Resistance		1000VAC (1 minute)
Applicable Wire Size		20AWG ~ 12AWG (0.50mm ² ~ 4.0mm ²)
Terminal Pitch		Horizontal: 8.50mm; Vertical: 7.30mm
Terminal-to-Connector Retention Force		90N min
Connector-to-Connector Retention Force		110N min

Current Rating Curve (Reference Only)

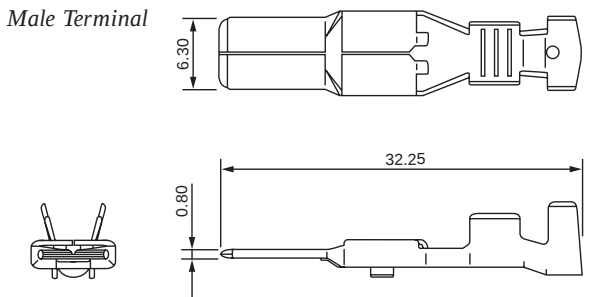
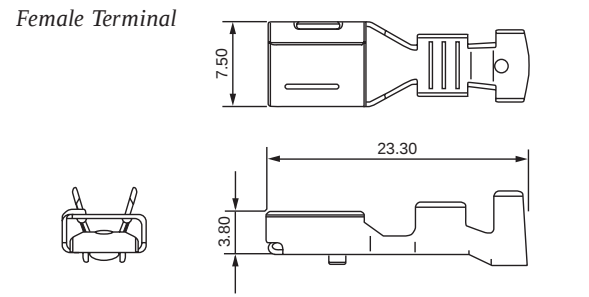
This data is based on single circuit/connector evaluation. Data should be used as reference only. Appropriate derating should be considered based upon specific application requirements.



unsealed connection system

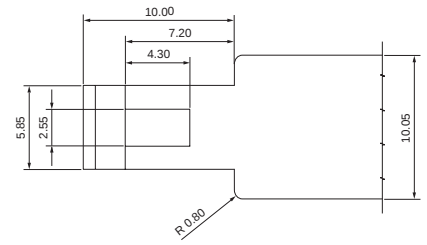
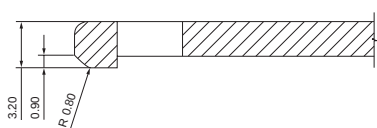
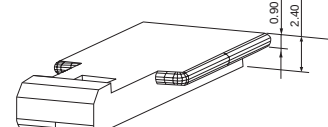
6.3 x 0.8**Terminal**

UNIT: mm

Male Terminal  Material: Copper Alloy Thickness: t=0.4			Female Terminal  Material: Copper Alloy Thickness: t=0.4		
Description	Part Number	Plating	Applicable Wire Size		
			Europe (mm ²)	U.S.A. (AWG)	Japan (mm ²)
Male Terminal	7114-4120-02	Sn	0.5 ~ 1.0	20 ~ 16	0.5 ~ 1.25
	7114-4121-02	Sn	1.5 ~ 2.5	14	2.0
	7114-4122-02	Sn	4.0	12	3.0
Female Terminal	7116-4120-02	Sn	0.5 ~ 1.0	20 ~ 16	0.5 ~ 1.25
	7116-4121-02	Sn	1.5 ~ 2.5	14	2.0
	7116-4122-02	Sn	4.0	12	3.0

Retainer Clip / Bracket Dimensions

UNIT: mm

  		Part Number 7047-9580 (Ref)		Panel Hole Requirements φ6.5mm	
--	--	---------------------------------------	--	--	--

Part Number Summary Chart

Part Name	Male	Female
Terminal	7114-4120-02	7116-4120-02
	7114-4121-02	7116-4121-02
	7114-4122-02	7116-4122-02
Applicable Clip	7047-9580 (Ref)	—

Pole	Polarity	Color/Description	YESC Male Part Number	YESC KAIZEN Male Part Number	YESC Female Part Number	YESC KAIZEN Female Part Number
2	A	Light Grey	—	7282-6458-40	—	7283-6458-40
4	A	Light Grey	—	7282-6469-40	—	7283-6469-40
6	A	Light Grey	7282-5604-40	—	—	7283-3740-40
6	B	Green	—	—	—	7283-3741-60

Applicable Terminal Removal Tool/Dimensions

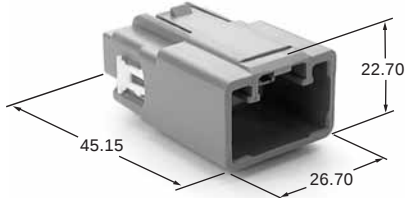
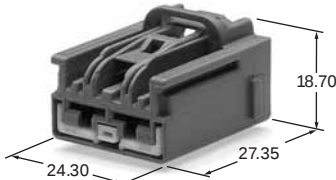
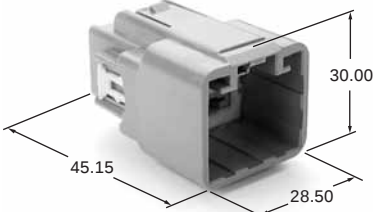
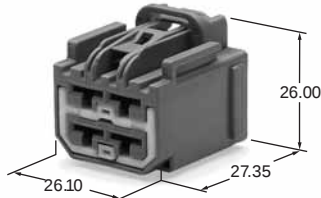
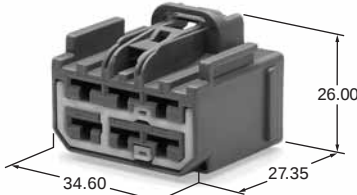
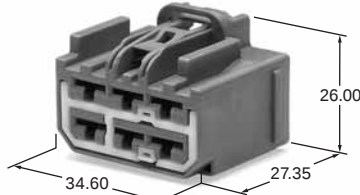
Refer to Page 120 for YESC KAIZEN Connector Terminal Removal Tool. Order Number: G0406 (PA Type).

6.3 x 0.8

unsealed connection system

Housing Material: PBT+GF

UNIT: mm

<i>Poles</i>	<i>Male Housing</i>	<i>Female Housing</i>
2	 7282-6458-40	 7283-6458-40*
4	 7282-6469-40	 7283-6469-40
6	N/A	 7283-3740-40
6	N/A	 7283-3741-60

*Part meets USCAR interface standard at time of printing.

YESC KAIZEN

CONNECTORS

9.5

SERIES

SEALED

CLICK ON YOUR SELECTION:

CONSTRUCTION

SPECIFICATIONS

CURRENT RATING CURVE

TERMINAL

CABLE SEAL & CAVITY PLUG

RETAINER CLIP/BRACKET DIMENSIONS

PART NUMBER SUMMARY CHART

PHOTOS/DIMENSIONS

NAVIGATION TIPS

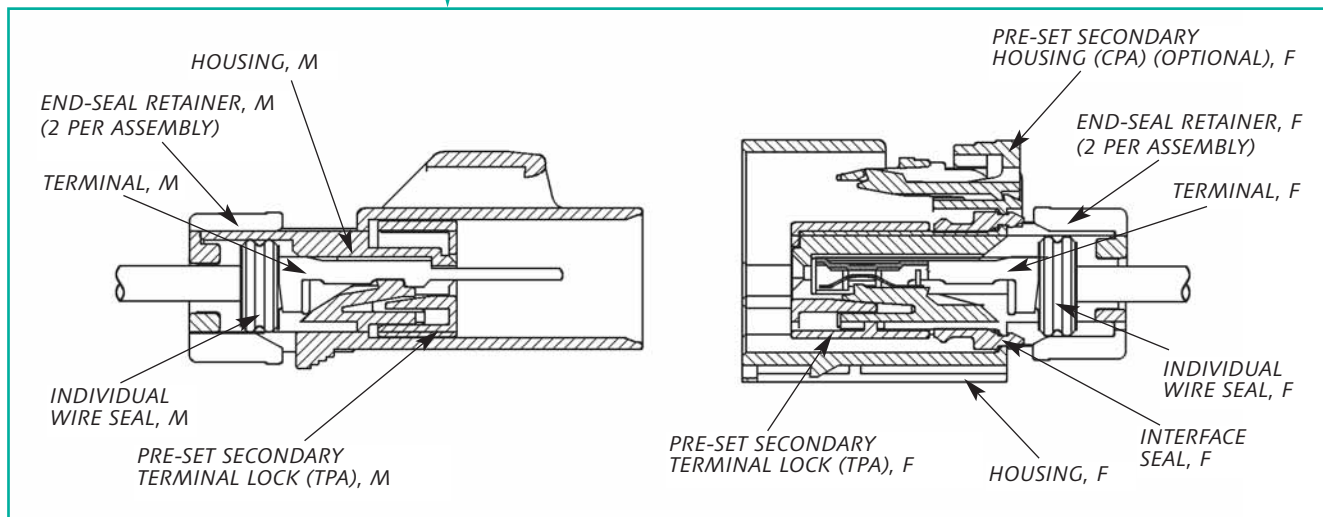
9.5 SERIES
SEALED

SUPPLEMENT TO YESC CATALOG

9.5 x 1.2

sealed connection system

Construction

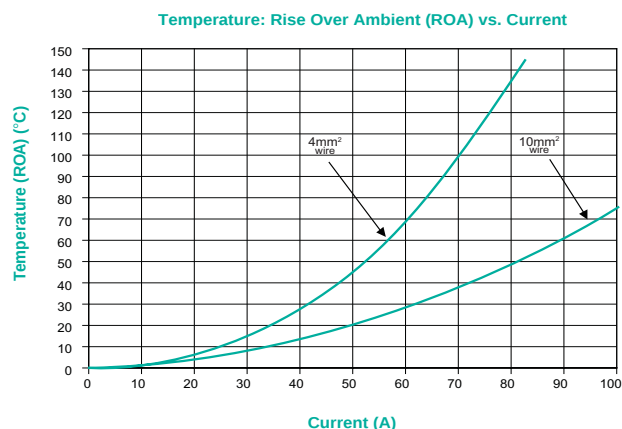


Specifications

Material	Connector	PBT+GF
	Male Terminal	Copper Alloy (Sn Plate)
	Female Terminal	Copper Alloy (Sn Plate)
Operating Temperature Range		-40°C ~ 125°C (145°C max temp.) (USCAR Class III)
Current Capacity		(See Chart)
Voltage Drop		10mΩ max (Term./Term.) (Crimp-to-Crimp)
Isolation Resistance		500VDC, 20MΩ min
Dielectric Resistance		1000VAC (1 minute)
Applicable Wire Size		12AWG ~ 8AWG (4mm ² ~ 8mm ²)
Terminal Pitch		Horizontal: 14.00 mm
Sealing Performance (Air-Leak Pressure)		48KPa min (Pre-Heat Soak); 28KPa (Post-Heat Soak)
Terminal-to-Connector Retention Force		90N min
Connector-to-Connector Retention Force		110N min

Current Rating Curve (Reference Only)

This data is based on single circuit/connector evaluation. Data should be used as reference only. Appropriate derating should be considered based upon specific application requirements.

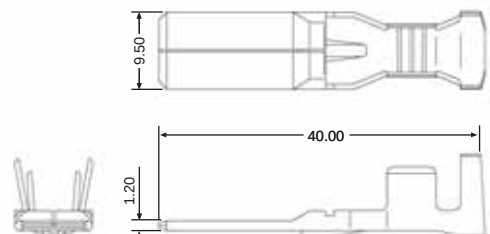
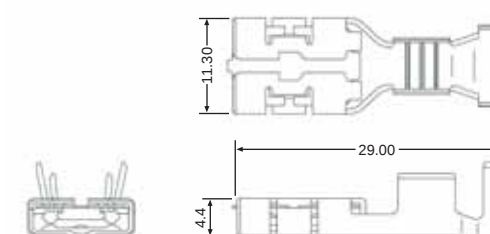


sealed connection system

9.5 x 1.2

Terminal

UNIT: mm

Male Terminal 			Female Terminal 		
Material: Copper Alloy			Material: Copper Alloy		
Thickness: t=0.6			Thickness: t=0.6		
Description	Part Number	Plating	Applicable Wire Size		
			Europe (mm ²)	U.S.A. (AWG)	Japan (mm ²)
Male Terminal	7114-3273-02	Sn	10	8	10
	7114-3250	Sn	6	10	6
	7114-3251	Sn	4	12	4
Female Terminal	7116-3285-02	Sn	10	8	10
	7116-3250	Sn	6	10	6
	7116-3251	Sn	4	12	4

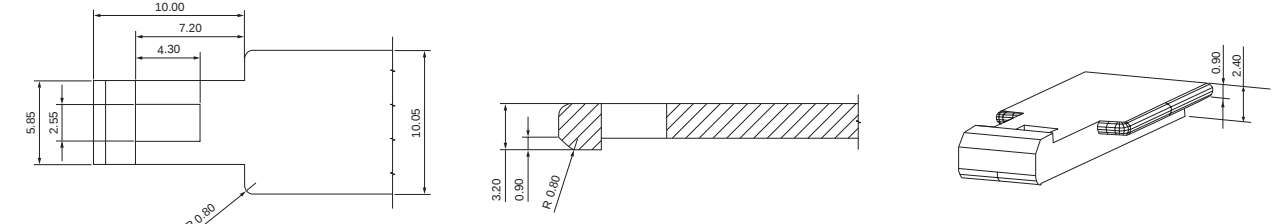
Cable Seal & Cavity Plug

UNIT: mm

				
Description	Part Number	Color	Material	Wire O.D. Range
Cable Seal	7157-3581-80	Orange	Silicone	4.3 ~ 5.8
	7157-3580-60	Green	Silicone	3.4 ~ 4.6
	7157-3582-90	Blue	Silicone	2.5 ~ 3.5
Unused Cavity Plug	7157-3583	Black	Silicone	—

Retainer Clip / Bracket Dimensions

UNIT: mm

	
Part Number	Panel Hole Requirements
7047-9580 (Ref)	φ6.5mm

Applicable Terminal Removal Tool/Dimensions

Refer to Page 120 for YESC KAIZEN Connector Terminal Removal Tool.

Order Number: G0406 (PA Type).

9.5 x 1.2

sealed connection system

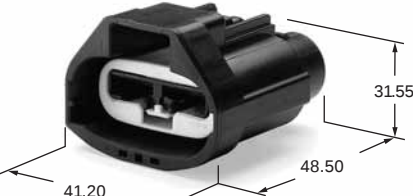
Part Number Summary Chart

Part Name	Male	Female
Terminal	7114-3273-02	7116-3285-02
	7114-3250	7116-3250
	7114-3251	7116-3251
Cable Seal	7157-3581-80	
	7157-3580-60	
	7157-3582-90	
Unused Cavity Plug	7157-3583	
Applicable Clip	—	7047-9580 (Ref)
End-Seal Retainer	7158-6174-40	7158-6174-40

Pole	Polarity	Color/Description	Male Part Number	Female Part Number	Delete Caps
2	A	Black	7282-3214-30	7283-3214-30	—

Housing Material: PBT+GF

UNIT: mm

Poles	Male Housing	Female Housing
2	 7282-3214-30	 7283-3214-30

YESC KAIZEN

CONNECTORS

Hybrid SERIES

CLICK ON YOUR SELECTION:

[SPECIFICATIONS](#)

[TERMINAL](#)

[RETAINER CLIP/BRACKET DIMENSIONS](#)

[PART NUMBER SUMMARY CHART](#)

[PHOTOS/DIMENSIONS](#)

[NAVIGATION TIPS](#)

HYBRID
SERIES

SUPPLEMENT TO YESC CATALOG

HYBRID

connection system

Specifications

Material	Connector	PBT+GF
	Male Terminal	Copper Alloy (Sn/Au Plate)
	Female Terminal	Copper Alloy (Sn/Au Plate)
Operating Temperature Range		-40°C ~100°C (120°C max temp.) (USCAR Class II)
Operating Temperature Range		-40°C ~125°C (145°C max temp.) (USCAR Class III)
Current Capacity		(See Chart)
Voltage Drop		10mΩ max (Term./Term.) (Crimp-to-Crimp)
Isolation Resistance		500VDC, 20MΩ min
Dielectric Resistance		1000VAC (1 minute)
Applicable Wire Size		See Specific Connector Section
Terminal-to-Connector Retention Force		See Specific Connector Section
Connector-to-Connector Retention Force		See Specific Connector Section

Terminal

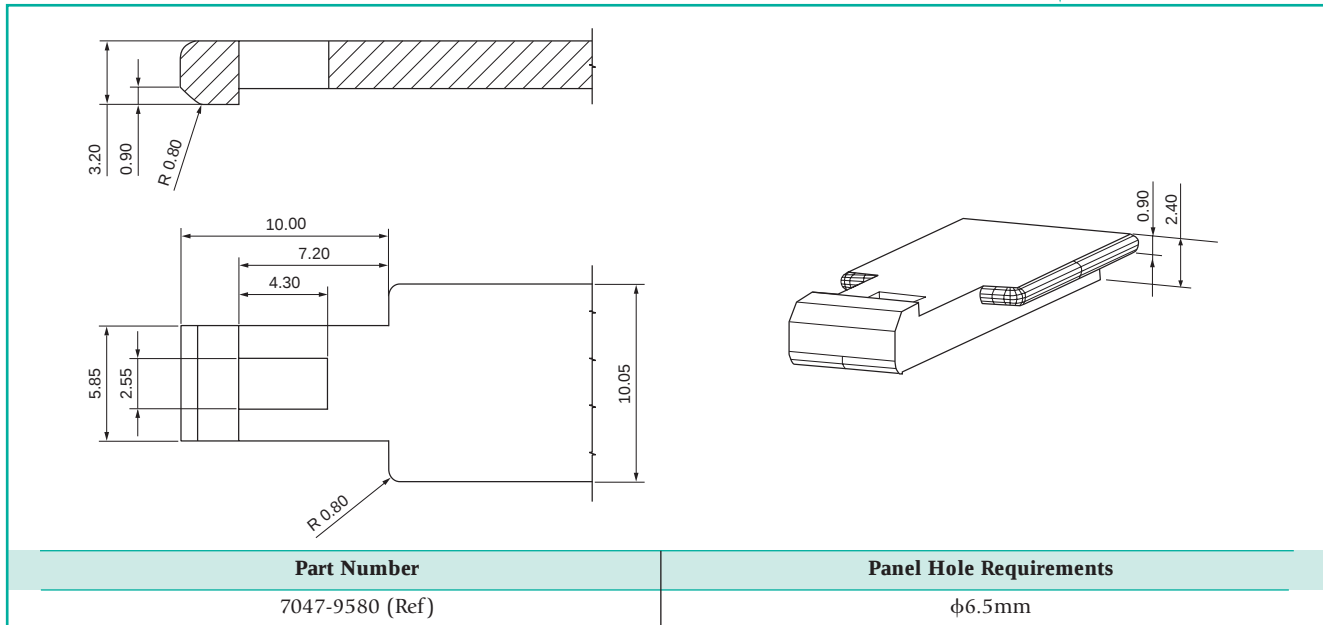
UNIT: mm

Description		YESC Part Number	YESC KAIZEN Part Number	Plating	Applicable Wire Size		
					Europe (mm ²)	U.S.A. (AWG)	Japan (mm ²)
Male Terminal	1.5mm	7114-4100-02/-08	—	Sn/Au	0.35 ~ 0.5	22 ~ 20	0.3 ~ 0.5
		7114-4101-02/-08	—	Sn/Au	0.75 ~ 1.0	18 ~ 16	0.85 ~ 1.25
	2.8mm	7114-4110-02	—	Sn	0.35 ~ 0.5	22 ~ 20	0.3 ~ 0.5
		7114-4111-02	—	Sn	0.75 ~ 1.0	18 ~ 16	0.85 ~ 1.25
		7114-4112-02	—	Sn	1.5 ~ 2.5	14	2.0
	6.3mm	7114-4120-02	—	Sn	0.5 ~ 1.0	20 ~ 16	0.5 ~ 1.25
		7114-4121-02	—	Sn	1.5 ~ 2.5	14	2.0
		7114-4122-02	—	Sn	4.0	12	3.0
Female Terminal	1.5mm	7116-4100-02	7116-4780-02	Sn	0.35 ~ 0.5	22 ~ 20	0.3 ~ 0.5
		7116-4100-08	—	Au	0.35 ~ 0.5	22 ~ 20	0.3 ~ 0.5
		7116-4101-02	7116-4781-02	Sn	0.75 ~ 1.0	18 ~ 16	0.85 ~ 1.25
		7116-4101-08	—	Au	0.75 ~ 1.0	18 ~ 16	0.85 ~ 1.25
	2.8mm	7116-4110-02	7116-4270-02	Sn	0.35 ~ 0.5	22 ~ 20	0.3 ~ 0.5
		7116-4111-02	7116-4271-02	Sn	0.75 ~ 1.0	18 ~ 16	0.85 ~ 1.25
		7116-4112-02	7116-4272-02	Sn	1.5 ~ 2.5	14	2.0
	6.3mm	7116-4120-02	—	Sn	0.5 ~ 1.0	20 ~ 16	0.5 ~ 1.25
		7116-4121-02	—	Sn	1.5 ~ 2.5	14	2.0
		7116-4122-02	—	Sn	4.0	12	3.0

There are many different terminals and cable seals that can be used with Hybrid connectors. Please refer to the terminal and cable seal pages for 1.5, 2.8 and 6.3 sealed and unsealed connectors. If you have questions, please call 1-888-942-9152 for assistance.

Retainer Clip / Bracket Dimensions

UNIT: mm

**Part Number Summary Chart**

Part Name		YESC Male Part Number	YESC KAIZEN Male Part Number	YESC Female Part Number	YESC KAIZEN Female Part Number
Terminal	1.5mm	7114-4100-02	———	7116-4100-02	7116-4780-02
		7114-4100-08	———	7116-4100-08	———
		7114-4101-02	———	7116-4101-02	7116-4781-02
		7114-4101-08	———	7116-4101-08	———
	2.8mm	7114-4110-02	———	7116-4110-02	7116-4270-02
		7114-4111-01	———	7116-4111-02	7116-4271-02
		7114-4112-02	———	7116-4112-02	7116-4272-02
	6.3mm	7114-4120-02	———	7116-4120-02	———
		7114-4121-02	———	7116-4121-02	———
		7114-4122-02	———	7116-4122-02	———
Applicable Clip		7047-9580 (Ref)	———	———	

HYBRID

connection system

Part Number Summary Chart (cont.)

Pole	Polarity	Color/ Description	YESC Male Part Number	YESC KAIZEN Male Part Number	YESC Female Part Number	YESC KAIZEN Female Part Number
8	A	Light Grey 6 x1.5, 2x2.8	—	7282-6448-40	—	7283-6448-40
10	A	Light Grey 6x1.5, 4x2.8	—	7282-6459-40	—	7283-6459-40
13	A	Black 9x0.64, 4x1.5	—	—	—	7283-3522-30
13	B	Light Grey 9x0.64, 4x1.5	—	—	—	7283-3523-40
13	A	Light Grey 11x2.8, 2x6.3	—	7282-6569-40	—	7283-6569-40
14	A	Black 12x0.64, 2x1.5	—	—	—	7283-4490-30
14	A	Light Grey 10x1.5, 4x2.8	—	7282-6447-40	—	7283-6447-40
14	A	Black 12x0.64, 2x1.5	—	—	—	7283-9281-30
20	A	Black 6x2.8, 14x1.5	—	7282-9450-30	—	7283-9450-30
28	A	Black 4x6.3, 24x0.64	—	—	—	7283-9504-30
34	A	Black 1x6.3, 6x2.8, 27x1.5	—	7282-9150-30	—	7283-9151-30
34	B	Light Grey 1x6.3, 6x2.8, 27x1.5	—	7282-9152-40	—	7283-9153-40
38	A	Black 30x0.64, 8.2.8	—	7282-2784-30	—	7283-2784-30
43	A	Black 34x1.5, 6x2.8, 3x6.3	—	7282-4190-30	—	7283-4190-30
43	B	Light Grey 34x1.5, 6x2.8, 3x6.3	—	7282-4192-40	—	7283-4192-40

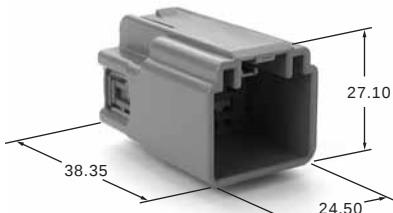
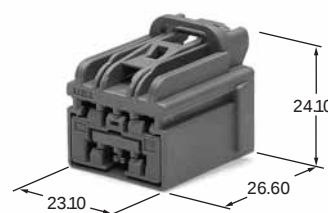
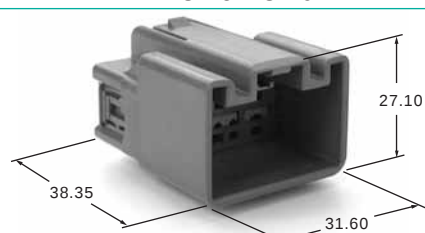
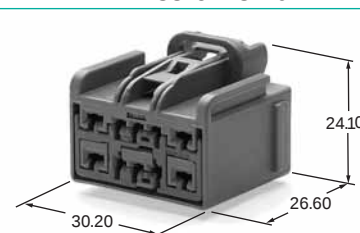
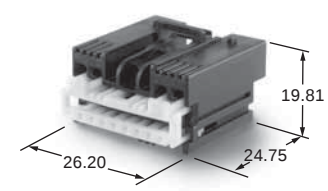
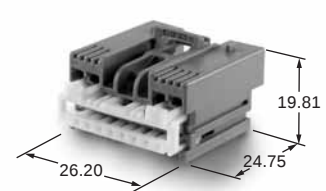
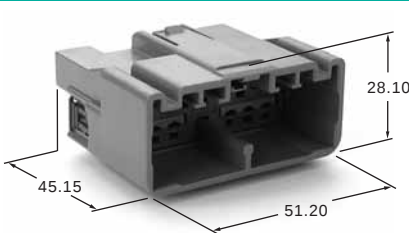
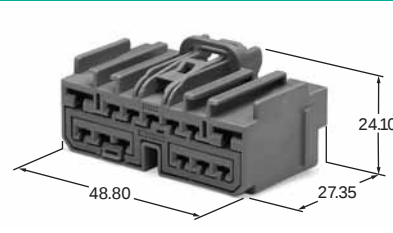
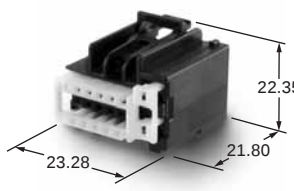
Applicable Terminal Removal Tool/Dimensions

Refer to Page 120 for YESC KAIZEN Connector Terminal Removal Tool.

Order Number: 49YA000263 (for 0.64 terminal), X39899-J374 (for 1.5 and 2.8 terminal), and G0406 (PA Type) (for 6.3 terminal).

Housing Material: PBT+GF

UNIT: mm

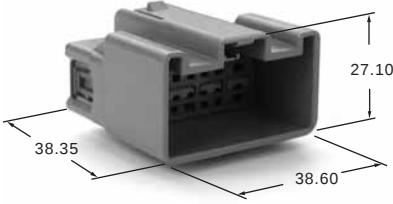
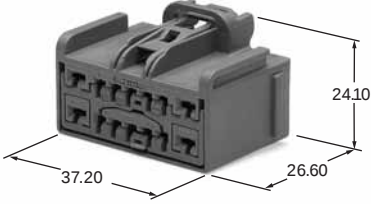
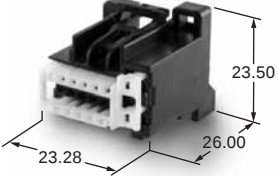
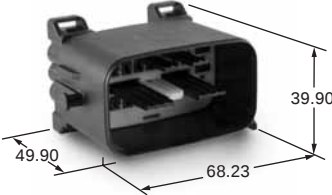
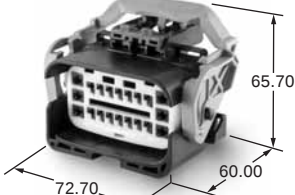
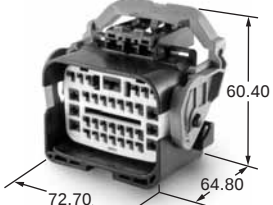
Poles	Male Housing	Female Housing
8	 7282-6448-40	 7283-6448-40
10	 7282-6459-40	 7283-6459-40
13	N/A	 7283-3522-30
13	N/A	 7283-3523-40
13	 7282-6569-40	 7283-6569-40
14	N/A	 7283-4490-30

HYBRID

connection system

Housing Material: PBT+GF

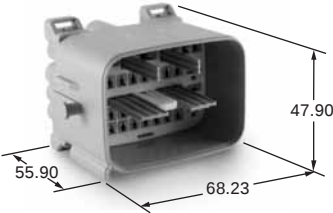
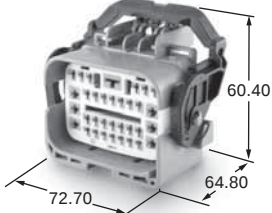
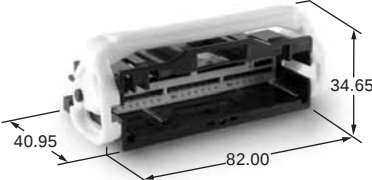
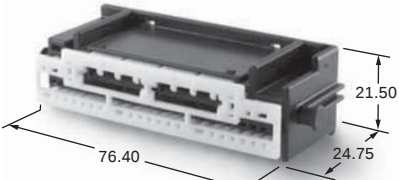
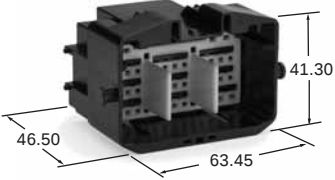
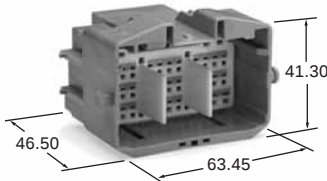
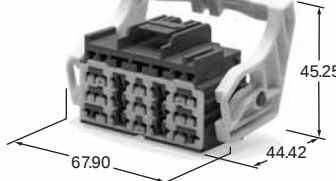
UNIT: mm

<i>Poles</i>	<i>Male Housing</i>	<i>Female Housing</i>
14	 7282-6447-40	 7283-6447-40
14	N/A	 7283-9281-30
20	 7282-9450-30	 7283-9450-30
28	N/A	 7283-9504-30
34	 7282-9150-30	 7283-9151-30

connection system

HYBRID**Housing Material: PBT+GF**

UNIT: mm

<i>Poles</i>	<i>Male Housing</i>	<i>Female Housing</i>
34	 7282-9152-40	 7283-9153-40
38	 7282-2784-30	 7283-2784-30
43	 7282-4190-30	 7283-4190-30
43	 7282-4192-40	 7283-4192-40

YESC KAIZEN

CONNECTORS

Header SERIES

CLICK ON YOUR SELECTION:

CONSTRUCTION

SPECIFICATIONS

CURRENT RATING CURVE

TERMINAL

PART NUMBER SUMMARY CHART

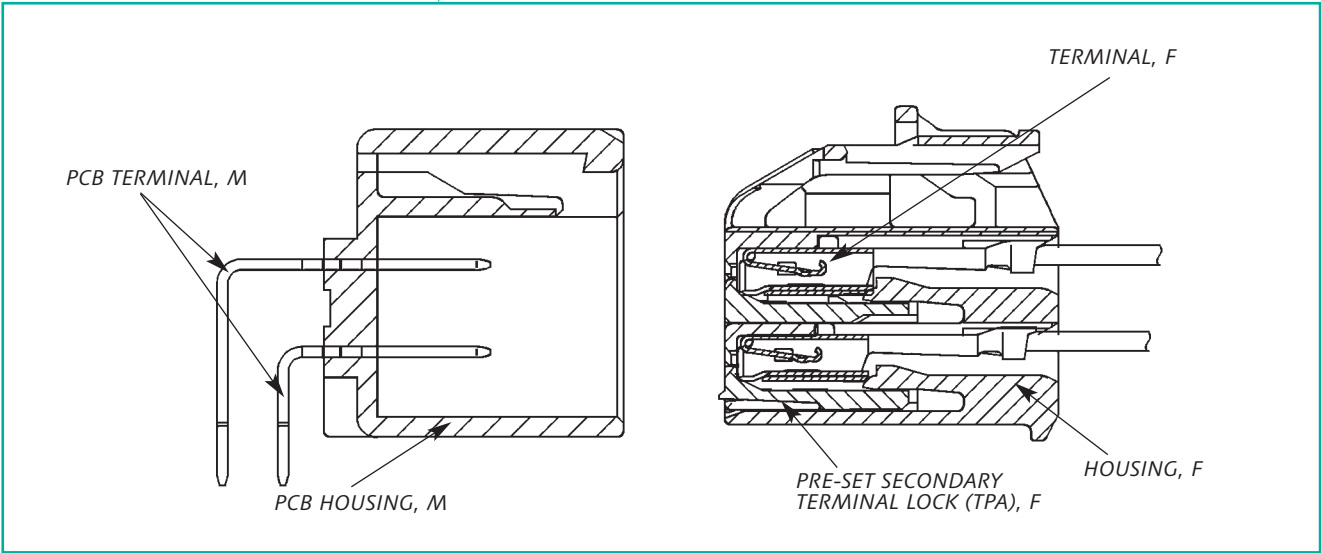
PHOTOS/DIMENSIONS

NAVIGATION TIPS

HEADER
SERIES

SUPPLEMENT TO YESC CATALOG

Construction



Specifications

Material	Connector	See Section
	Male Terminal	Brass (Sn Plate)
	Female Terminal	Copper Alloy (Sn/Au Plate)
Operating Temperature Range		-40°C ~100°C (125°C max temp.) (USCAR Class II)
Current Capacity		(See Chart)
Voltage Drop		10mΩ max (Term./Term.)
Isolation Resistance		500VDC, 20MΩ min
Dielectric Resistance		1000VAC (1 minute)
Terminal-to-Connector Retention Force		90N min
Connector-to-Connector Retention Force		110N min

Current Rating Curve

SEE APPLICABLE BLADE SIZE SECTION

Terminal

UNIT: mm

Male PCB Terminal

PURCHASED IN ASSEMBLY

Material: Brass

Female Terminal

SEE APPLICABLE BLADE SIZE SECTION

Material: Copper Alloy

Thickness: $t=0.3$

Description		YESC Part Number	YESC KAIZEN Part Number	Plating	Applicable Wire Size		
					Europe (mm ²)	U.S.A. (AWG)	Japan (mm ²)
Male Terminal		—	—	—	—	—	—
Female Terminal	1.5mm	7116-4100-02	7116-4780-02	Sn	0.35 ~ 0.5	22 ~ 20	0.3 ~ 0.5
		7116-4100-08	—	Au	0.35 ~ 0.5	22 ~ 20	0.3 ~ 0.5
		7116-4101-02	7116-4781-02	Sn	0.75 ~ 1.0	18 ~ 16	0.85 ~ 1.25
		7116-4101-08	—	Au	0.75 ~ 1.0	18 ~ 16	0.85 ~ 1.25
	2.8mm	7116-4110-02	7116-4270-02	Sn	0.35 ~ 0.5	22 ~ 20	0.3 ~ 0.5
		7116-4111-02	7116-4271-02	Sn	0.75 ~ 1.0	18 ~ 16	0.85 ~ 1.25
		7116-4112-02	7116-4272-02	Sn	1.5 ~ 2.5	14	2.0
	6.3mm	7116-4120-02	—	Sn	0.5 ~ 1.0	20 ~ 16	0.5 ~ 1.25
		7116-4121-02	—	Sn	1.5 ~ 2.5	14	2.0
		7116-4122-02	—	Sn	4.0	12	3.0

connection system

HEADER

Part Number
Summary Chart

Part Name		Male	YESC Female	YESC KAIZEN Female
Terminal	1.5mm	—	7116-4100-02	7116-4780-02
		—	7116-4100-08	—
		—	7116-4101-02	7116-4781-02
		—	7116-4101-08	—
	2.8mm	—	7116-4110-02	7116-4270-02
		—	7116-4111-02	7116-4271-02
		—	7116-4112-02	7116-4272-02
	6.3mm	—	7116-4120-02	—
		—	7116-4211-02	—
		—	7116-4122-02	—

Pole	Polarity	Color/Description	Male Part Number	YESC Female Part Number	YESC KAIZEN Female Part Number
2	A	Black 6.3mm Header	7382-5597-40		7283-6458-40
2	A	Light Grey 6.3mm Header	7282-5608-30		7283-6458-40
4	A	Black 6.3mm Header	7382-5613-30		7283-6469-40
10	A	Light Grey 1.5mm Header	7382-5884-40		7283-6455-40
10	B	Black 1.5mm Header	7382-6379-30		7283-6455-40
12	A	Light Grey 2.8mm Header	7382-5568-40		7283-6467-40
12	A	Black 1.5mm Header	7382-5957-30		7382-5957-30
14	A	Light Grey 6.3mm Header	7382-5627-40		7283-6447-40
16	A	Green/Config 1 1.5mm Header	7382-5551-60		7283-6453-60
16	A	Green/Config 2 1.5mm Header	7382-5681-60		7283-6453-60
16	A	Green/Config 3 1.5mm Header	7382-5682-60		7283-6453-60
32	A	Black 1.5mm Header	7382-5552-30		7283-6456-90
32	B	Light Grey 1.5mm Header	7382-5881-40		7283-3585-40
					7283-6456-90
					7283-3585-40

Applicable Terminal Removal Tool/Dimensions

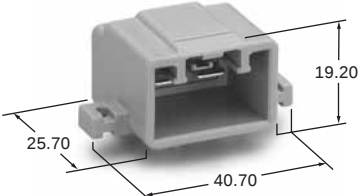
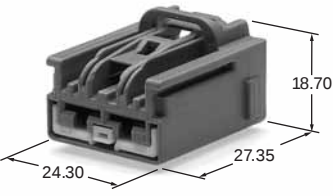
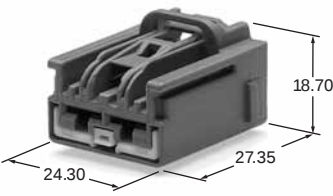
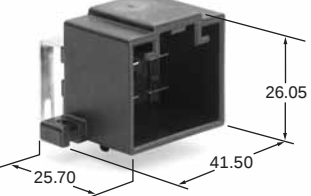
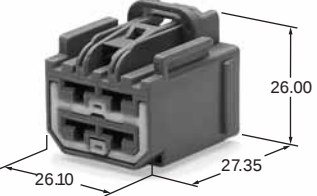
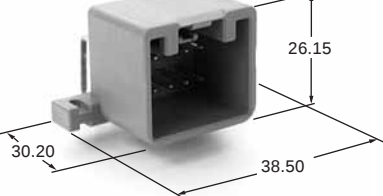
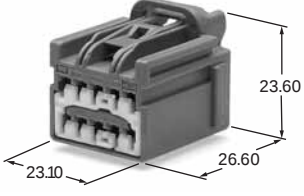
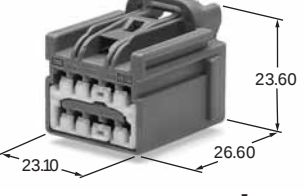
Refer to Page 120 for YESC KAIZEN Connector Terminal Removal Tool.

Order Number: X39899-J374 (for 1.5 and 2.8 terminal) and G0406 (PA Type) (for 6.3 terminal).

connection system

HEADER**Housing Material: PPA-GF16****Material: PBT+GF**

UNIT: mm

<i>Poles</i>	<i>Male Housing</i>	<i>Female Housing</i>
2	 7382-5597-40*	 7283-6458-40*
2	 7382-5608-30*	 7283-6458-40*
4	 7382-5613-30	 7283-6469-40
10	 7382-5884-40*	 7283-6455-40*
10	 7382-6379-30*	 7283-6455-40*

*Part meets USCAR interface standard at time of printing.

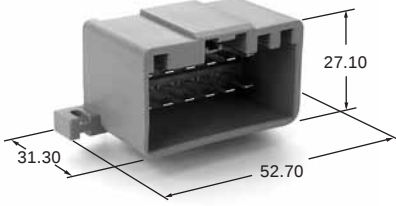
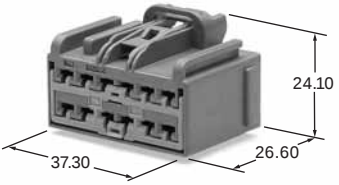
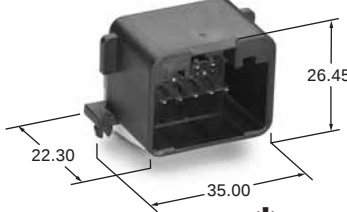
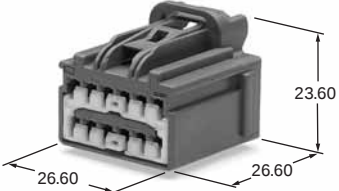
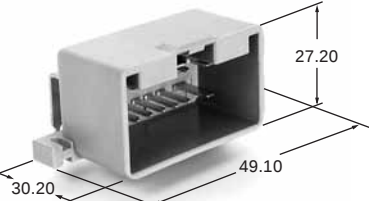
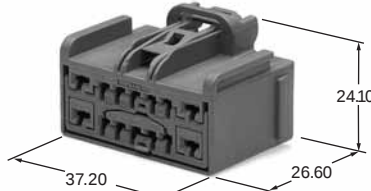
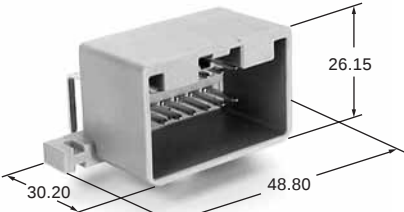
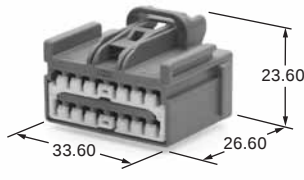
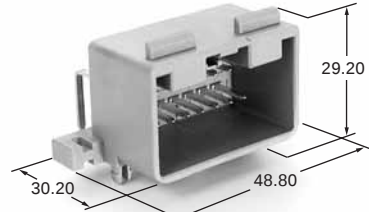
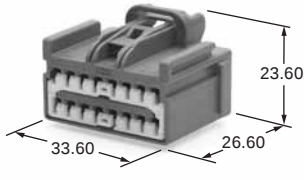
HEADER

connection system

Housing Material: PPA-GF16

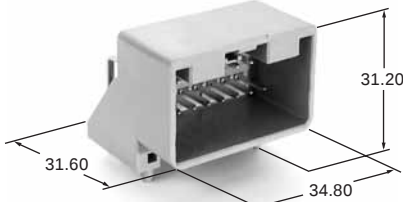
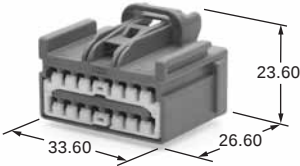
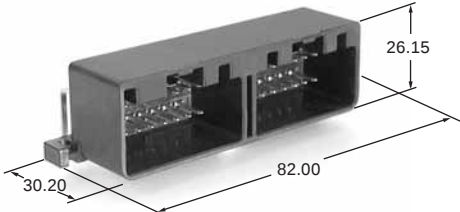
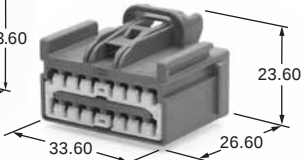
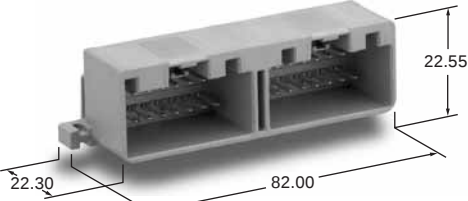
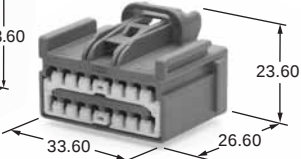
Material: PBT+GF

UNIT: mm

Poles	Male Housing	Female Housing
12	 7382-5568-40	 7283-6467-40
12	 7382-5957-30*	 7382-5957-30*
14	 7382-5627-40	 7283-6447-40
16	 7382-5551-60*	 7283-6453-60*
16	 7382-5681-60*	 7283-6453-60*

*Part meets USCAR interface standard at time of printing.

Housing Material: PPA-GF16 → Material: PBT+GF → UNIT: mm

Poles	Male Housing	Female Housing
16	 7382-5682-60*	 7283-6453-60*
32	 7382-5552-30*	 7283-6456-90 (16P)*  7283-3585-40 (16P)*
32	 7382-5881-40*	 7283-6456-90 (16P)*  7283-3585-40 (16P)*

*Part meets USCAR interface standard at time of printing.

YESC KAIZEN

CONNECTORS

Terminal REMOVAL

CLICK ON YOUR SELECTION:

TOOL FOR 0.64 SERIES

TOOL FOR 1.5 AND 2.8 SERIES

TOOL FOR 6.3 AND 9.5 SERIES



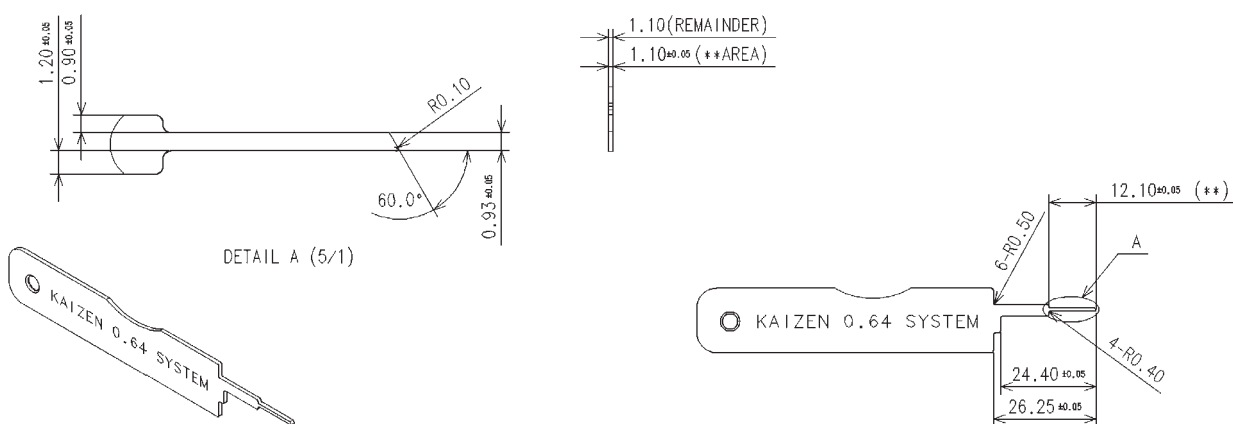
TERMINAL
REMOVAL

SUPPLEMENT TO YESC CATALOG

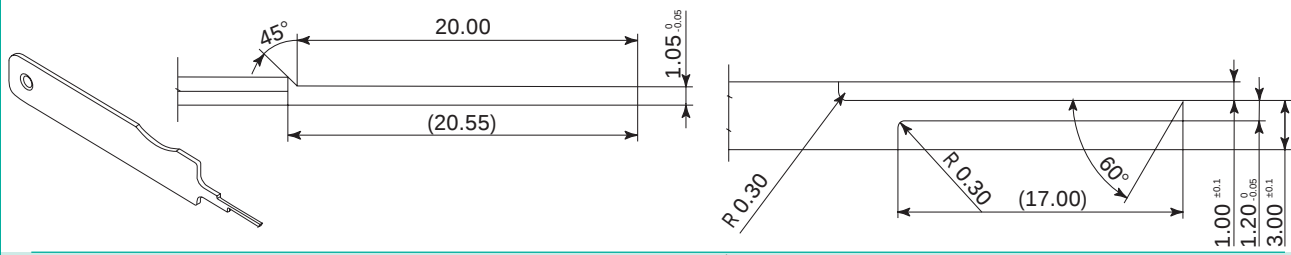
TERMINAL REMOVAL

Applicable Terminal Removal Tool/Dimensions

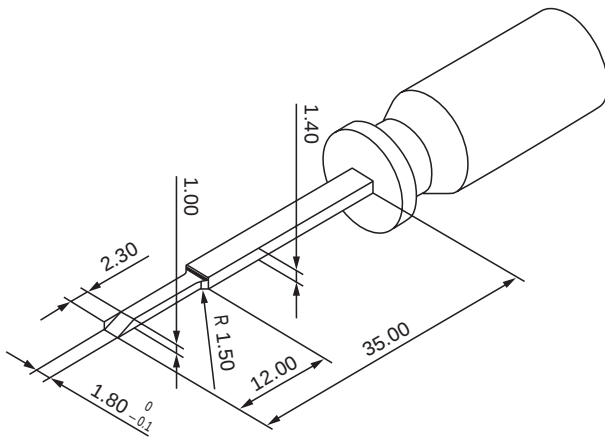
UNIT: mm

	
Description	Order Number
YESC KAIZEN Connector Terminal Removal Tool for 0.64 series.	49YA000263

UNIT: mm

	
Description	Order Number
YESC KAIZEN Connector Terminal Removal Tool for 1.5 and 2.8 series.	X39899-J374

UNIT: mm

	
Description	Order Number
YESC KAIZEN Connector Terminal Removal Tool for 6.3 and 9.5 series.	G0406 (PA Type)

PART NUMBERING METHODOLOGY

7 X X X - X X X X - X X :

Degree of Assembly

1 = Single Component
2 = Sub-Assembly
3 = Full Assembly
(ex. Header, Connector w/
terminated wire, etc.)

**Base Number:
Sequential
(No specific meaning)**

Component Description:

14 = Terminal, Male
16 = Terminal, Female
82 = Connector, Male (newer)
83 = Connector, Female (newer)

Suffix, Denotes Part Color or Plating Type:

- —
-02 = Sn Plating
-08 = Precious Metal Plating
-10 = Dark Grey
-20 = Purple
-30 = Black
-40 = Light Grey
-50 = Orange / Red / Pink
-60 = Green
-70 = Yellow
-80 = Brown
-90 = Blue

*No suffix indicates: Natural Color
for plastic, and black for rubber.*

Miscellaneous Component* = Cable Seal, Clip, Wire Shield, TPA, CPA, etc.

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